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STEAM-ELECTRIC PLANT AIR AND WATER QUALITY CONTROL DATA

FOR THE YEAR ENDED DECEMBER 31, 1975
BASED ON FPC FORM NO. 67

SUMMARY REPORT

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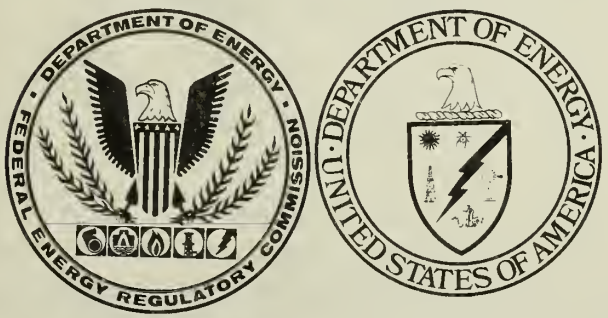

JANUARY 1979

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CONTENTS

Page

PREFACE v
DISCUSSION OF FORM 67 DATA vi
a. Growth of the Industry
b. Fuel Quality
c. Air Pollution Control
d. Water Pollution Control

AIR QUALITY DATA AGGREGATED BY STATE AND GEOGRAPHIC REGION AND BY AIR QUALITY CONTROL REGION

Table 1A Fuel Consumption and Quality, By Region and State, 1975 1
Table 1B Fuel Consumption and Quality, By Air Quality Control Region, 1975 2
Table 2A Estimated Annual Emissions, By Region and State, 1975 5
Table 2B Estimated Annual Emission, By Air Quality Control Region, 1975 6
Table 3A Ash and Sulfur Collection and Disposal, By Region and State, 1975 9
Table 3B Ash and Sulfur Collection and Disposal, By Air Quality Control Region, 1975 10
Table 4A Air Quality Control Expenses, By Region and State, 1975 13
Table 4B Air Quality Control Expenses, By Air Quality Control Region, 1975 14
Table 5A Installed Costs of Air Pollution Control Equipment, By Region and State, 1975 17
Table 5B Installed Costs of Air Pollution Control Equipment, By Air Quality Control Region, 1975 18

WATER QUALITY DATA AGGREGATED BY STATE AND GEOGRAPHIC REGION AND BY WATER RESOURCE REGION

Table 6A Number of Plants, Capacities, and Types of Cooling, By Region and State, 1975 21
Table 6B Number of Plants, Capacities, and Types of Cooling, By Water Resource Region, 1975 .. 22
Table 7A Average Cooling Water Use, By Region and State, 1975 23
Table 7B Average Cooling Water Use, By Water Resource Region, 1975 24

Page

Table 8A Use of Chemical Additives, By Region and State, 1975 25
Table 8B Use of Chemical Additives, By Water Resource Region, 1975 26
Table 9A Water Treatment Expenses, and Cooling Facility Costs, By Region and State, 1975 ... 27
Table 9B Water Treatment Expenses, and Cooling Facility Costs, By Water Resource Region, 1975 28

INDIVIDUAL PLANT DATA

Table 10 29
Footnotes to Table 10 188

APPENDICES

APPENDIX 1 Alphabetical Index of Plants
APPENDIX 2 Map of Air Quality Control Regions
APPENDIX 3 Map of Water Resource Regions
APPENDIX 4 Map of Geographic Divisions

PREFACE

This publication, covering the calendar year 1975, is the seventh summary in a series based on FPC Form 67. 1/ For purposes of this publication Form 67 information is supplemented with plant-by-plant annual generation and plant heat rate data from FPC Form 1. 2/

This series of summary reports contains information on an annual basis relating to the nationwide impact of steam-electric power plants on the environment. The methodology employed in the preparation of this and the earlier summaries is explained in detail in the 1969 Summary Report. Also, a blank copy of FPC Form 67 is included as a appendix to the 1969 Summary Report.

The first five summary reports of this series may be obtained by mail from Superintendent of Documents, Government Printing Office, Washington, D. C. 24002, or they may be purchased over the counter at the GPO bookstore. The prices of the publications are:

FPC Publication Number	Year Covered	By Mail	Over the Counter
S-229	1969	$2.60	$2.25
S-233	1970	$1.95	$1.95
S-239	1971	$2.00	$2.00
S-246	1972	$2.70	$2.70
S-253	1973	$2.90	$2.90

The sixth summary report (DOE-FERC-0018) covering 1974 may be purchased from National Technical Information Service (NTIS) U. S. Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22161, by mail at a cost of $9.50.

1/ This report and the 1976 Summary Report, which is now being prepared, will be the last such reports published by the FERC. Thereafter, the Form 67 data will be processed by the Energy Information Administration.

2/ FPC Form No. 1 is completed annually by electric utilities and deals with the financial and generating aspects of their operations.

DISCUSSION OF FORM 67 DATA

This discussion is based on data contained in the Summary Report for 1975 and, where appropriate, it includes a comparison with data presented in previous summaries. 3/ The comparison serves as a basis for noting significant differences and possible trends in the quantities measured.

As in the earlier issues, the 1975 data is displayed in 18 summary tables (nine pairs): ten tables (five pairs) summarize air quality data and eight tables (four pairs) summarize water quality data, respectively. The first in each pair of air quality tables gives state totals and a national total for each quantity measured. The second table in each pair presents the totals for each Air Quality Control Region designated by the Environmental Protection Agency. Similarly, the first in each pair of water quality tables gives state and national totals, while the second in each pair presents the totals for each Water Resource Region.

Also included are: 1) 159-page detailed table with individual plant data for each of the 791 plants covered by this report; 2) An alphabetical listing of the plants (Appendix 1); 3) A map showing each Air Quality Control Region (Appendix 2); 4) A map showing the Water Resource Regions (Appendix 3); and 5) A map outlining the major Geographic Divisions of the United States (Appendix 4).

a. Growth of the Industry

From 1974 to 1975 the installed generating capacity reported on Form 67 increased 6.4 percent, from 372,047 to 396,040 megawatts. During the same period the generation of electricity by steam-electric plants reporting on Form 67, both fossil-fired and nuclear, increased from 1,505 to

3/ The Summary for 1969 was the first in the series. It included a detailed explanation of the methodology employed in calculating emissions of particulates, sulfur dioxide, and oxides of nitrogen along with other data editing and computational routines. The explanation is not repeated here.

1,558 million megawatt-hours, 4/ a rise of 3.5 percent. The following table shows the total installed capacity and the total net generation by steam-electric plants reporting on Form 67 for each of the past seven years:

Year	Total Installed Capacity (MW)	Total Net Generation (Million MWH)
1969	243,029.7	1,142.0
1970	263,255.8	1,230.4
1971	283,410.5	1,293.7
1972	309,860.6	1,411.9
1973	340,001.3	1,536.4
1974	372,047.2	1,504.5
1975	396,040.3	1,558.4

The following tabulation gives the total energy consumed and the percent energy supplied by each type of fossil fuel during each of the past seven years:

	Total Btu (10^{15})				Percent of Total Btu		
	Coal	Oil	Gas	Total	Coal	Oil	Gas
1969	7.065	1.577	3.429	12.071	58.5	13.1	28.4
1970	7.098	2.008	3.820	12.926	54.9	15.5	29.6
1971	7.244	2.328	3.841	13.413	54.0	17.4	28.6
1972	7.794	2.816	3.811	14.421	53.9	19.6	26.5
1973	8.583	3.270	3.517	15.370	55.8	21.3	22.9
1974	8.476	3.052	3.315	14.843	57.1	20.6	22.3
1975	8.679	3.010	3.101	14.790	58.7	20.4	20.9

On a tonnage basis, from 1974 to 1975 steam-electric plants reporting on Form 67 increased their consumption of coal by only 3.2 percent, from 390.1 to 402.6 million tons. The use of coal declined in three of the nine major geographic regions of the country. All of the drop in coal usage occurred in regions east of the Mississippi River with consumption falling in the New

4/ Data obtained on FPC Form 4 for electric utility plants in the 50 states, but excluding Puerto Rico and the Virgin Islands, showed electric power generation in steam-electric plants to be 1,615 billion kilowatt-hours. Responses to FPC Form 67 cover an estimated 96.5 percent of the power generation and a corresponding share of the fossil fuel consumption in steam electric units located in a geographic area comparable to FPC Form 4 coverage.

England (down 9.1 percent), South Atlantic (down 3.9 percent) and East South Central regions (down 2.3 percent). At the same time, however, utilities increased the use of coal in the East North Central (up 3.1 percent), and the Middle Atlantic regions (up 0.4 percent). In the West, the use of coal increased in all the four geographic regions, with the biggest increase taking place in the West South Central region (up 73.9 percent). Also, coal use rose in the Pacific (up 37.0 percent), the Mountain (up 13.9 percent) and the West North Central regions (up 11.8 percent).

Total oil consumption by reporting utilities fell by nearly 7.3 million barrels, a 1.6 percent drop below last year's level. In the East, reduced oil usage occurred in the South Atlantic (down 7.7 percent), and the Middle Atlantic regions (down 8.4 percent). In the West oil consumption decreased in the West South Central region (down 39.8 percent).

Between 1974 and 1975 the total quantity of gas consumed by steam-electric plants reporting on Form 67 fell from 3,237.5 to 3,019.5 billion cubic feet, a drop of 6.8 percent. In geographic regions east of the Mississippi River, decreases in gas consumption occurred in the East North Central (down 48.6 percent), East South Central (down 27.4 percent) and the South Atlantic regions (down 4.9 percent). The cuts in gas consumption were more widespread in the western regions, with decreases experienced by steam-electric plants in the West North Central (down 29.5 percent), Mountain (down 18.5 percent), and the Pacific regions (down 5.1 percent). Gas consumption by steam-electric plants in the West South Central region increased slightly (up 0.2 percent) during the year. The changes in fuel consumption from 1974 to 1975 are reflected in the following tables:

REGIONAL CHANGES IN COAL CONSUMPTION
FROM 1974 to 1975 AND PERCENT CHANGE

	1974 Consumption (1000 Tons)	1975 Consumption (1000 Tons)	Percent Increase (+) Or Decrease (-)
New England	1,960.9	1,783.90	- 9.1
Middle Atlantic	44,773.6	44,978.91	+ 0.4
East North Central	134,863.2	139,119.42	+ 3.1
West North Central	33,641.3	37,501.03	+ 11.8
South Atlantic	78,357.8	75,367.36	- 3.9
East South Central	61,229.8	59,815.87	- 2.3
West South Central	5,201.5	9,044.30	+ 73.9
Mountain	27,190.7	30,984.15	+ 13.9
Pacific	2,925.4	4,008.50	+ 37.0
U. S. TOTALS	390,124.2	402,603.44	+ 3.2

REGIONAL CHANGES IN OIL CONSUMPTION
FROM 1974 TO 1975 AND PERCENT CHANGE

Geographic Region	1974 Consumption (1000 Bbls)	1975 Consumption (1000 Bbls)	Percent Increase (+) Or Decrease (-)
New England	63,995.6	67,909.91	+ 6.1
Middle Atlantic	133,857.6	123,621.17	- 7.7
East North Central	25,259.4	25,725.60	+ 1.8
West North Central	3,487.5	7,718.45	+ 121.3
South Atlantic	140,116.1	128,443.75	- 8.4
East South Central	9,373.6	10,048.19	+ 7.1
West South Central	20,433.7	12,317.76	- 39.8
Mountain	10,331.7	10,752.00	+ 4.0
Pacific	65,547.7	78,568.31	+ 19.8
U. S. TOTALS	472,402.9	465,105.14	- 1.6

REGIONAL CHANGES IN GAS CONSUMPTION
FROM 1974 TO 1975 AND PERCENT CHANGE

	1974 Consumption (1000 Mcf)	1975 Consumption (1000 Mcf)	Percent Increase (+) Or Decrease (-)
New England	9,255.0	1,005.0	+ 10.8
Middle Atlantic	41,338.1	21,234.1	- 48.6
East North Central	128,410.3	99,182.4	- 22.8
West North Central	318,301.9	224,644.4	- 29.5
South Atlantic	201,928.7	192,066.1	- 4.9
East South Central	45,793.4	33,267.9	- 27.4
West South Central	2,019,823.4	2,024,043.9	+ 0.2
Mountain	184,325.4	150,262.8	- 18.5
Pacific	288,295.1	273,775.6	- 5.1
U. S. TOTAL	3,237,471.3	3,019,482.6	- 6.8

b. Fuel Quality

The continuing trend toward greater use of Western coal resulted in a further drop in both the average Btu and the average sulfur content of the coal burned by electric utilities between 1974-1975. Also, the sulfur content of oil has declined steadily over the past seven years, with the exception of 1974.

The changes in fuel quality characteristics from 1969 to 1975 are shown in the following two tables.

AVERAGE HEAT CONTENT OF STEAM-ELECTRIC PLANT FUELS
1969-1975

Year	Coal, Btu/Lb.	Oil, Btu/Gal.	Gas, Btu/Cu. Ft.
1969	11,628	148,727	1,033
1970	11,276	147,991	1,031
1971	11,169	147,017	1,030
1972	11,176	146,285	1,028
1973	11,090	145,772	1,028
1974	10,859	145,811	1,024
1975	10,775	146,043	1,027

AVERAGE ASH AND SULFUR CONTENT OF COAL AND
AVERAGE SULFUR CONTENT OF OIL
1969-1975

Year	Coal, % Ash	Coal, % Sulfur	Oil, % Sulfur
1969	12.53	2.59	1.68
1970	13.72	2.58	1.52
1971	13.85	2.47	1.28
1972	13.41	2.39	1.07
1973	13.29	2.32	0.98
1974	14.05	2.28	1.03
1975	13.85	2.19	0.98

c. Air Pollution Control

In 1975 the total reported air quality control expenses reached $187.1 million, an increase of $53.4 million, or 39.9 percent over 1974. On a national basis the 1975 expenses amounted to 0.120 mills per kilowatt-hour, while similar expenses last year totaled 0.089 mills per kilowatt-hour. These expenses do not include the incremental costs of low sulfur fuel purchases for meeting air quality regulations.

The following tabulation gives the estimated yearly emissions of particulates, sulfur dioxide and nitrogen oxides from steam-electric power plants during the past seven years, in absolute quantities and per thousand megawatt-hours:

	PARTICULATES		SULFUR DIOXIDE		NITROGEN OXIDES	
	Thousand Tons	Tons Per Thousand Megawatts-Hrs	Thousand Tons	Tons Per Thousand Megawatt-Hrs	Thousand Tons	Tons Per Thousand Megawatt-Hrs
1969	4,293	3.76	16,826	14.73	4,832	4.23
1970	4,250	3.48	17,521	14.24	5,189	4.22
1971	3,830	2.96	17,237	13.32	5,392	4.17
1972	3,608	2.55	17,781	12.59	5,887	4.17
1973	3,338	2.17	19,258	12.53	6,356	4.14
1974	2,813	1.87	19,169	12.74	6,203	4.12
1975	2,739	1.76	18,879	12.11	6,240	4.00

Particulates:

From 1974 to 1975 the total ash content of coal burned by steam-electric plants increased from 54.8 to 55.8 million tons, a rise of 1.8 percent. During the same period the calculated emissions of particulate matter fell from 2,813 to 2,739 thousand tons, a drop of 2.6 percent. This reduction in particulate emissions resulted primarily from the installation of new precipitator units and the up-grading of older units. The total installed cost of all precipitators exceeded $1.4 billion in 1975, an increase of nearly $200 million, or 16.7 percent, over similar cost reported last year. Correspondingly, during the year ash collection and disposal expenses increased 23.1 percent from $112.0 to $137.9 million.

Sulfur Oxides:

The total sulfur content of coal and oil consumed by steam-electric plants fell from 9.8 million tons in 1974 to 9.6 million tons in 1975. Also, during the same period the calculated emissions of sulfur oxides (calculated as sulfur dioxide) dropped from 19.2 to 18.9 million tons. In terms of tons emitted per thousand megawatt-hours generated, sulfur oxides fell from 12.74 to 12.11.

In 1975, the installed cost of all types of flue gas desulfurization (FGD) systems reached $216.2 million, an increase of $18.5 million over similar cost in 1974. The additional $18.5 million expenditure accounted for the installation of three new FGD systems during the year: (1) a lime/alkaline flyash system installed at the Montana Power Company's Colstrip Unit No. 1 at a total cost of $13.23 million; (2) a lime system installed at Kentucky Utility's Green River Units No. 1 and 2 at a total cost of $411,720; and (3) a $4.9 million system installed at Gulf States Utility's Scholz plant. Like those systems installed prior to 1975, these three additional FGD systems operated intermittently or at various test stages during the year and had little effect on national emission levels of sulfur oxides.

Oxides of Nitrogen:

Emissions of nitrogen oxides are calculated as a function of the fuel quantity and type, and also of the boiler design. These calculations do not reflect any combustion modifications which may have resulted in reduced levels of nitrogen oxide emissions at individual boilers. (A more detailed description of the computational methodology is given in the 1969 Summary). Therefore, in terms of tons per thousand megawatt-hours, emissions of nitrogen oxides have declined over the past seven years surveyed, although during each of the years 1969-1973 total emission did increase steadily. Between 1973 and 1974, when total generation and fuel consumption declined, the total calculated emissions of nitrogen oxides decreased for the first time, from 6,356 to 6,203 thousand tons. However, during 1975 total emissions of nitrogen oxides increased slightly from 6,203 to 6,240 thousand tons. In recent years progress has been made in reducing nitrogen oxide emissions by controlling the combustion operating conditions in utility boilers - a technique employed primarily on units installed after 1970. Consequently, the emissions of nitrogen oxides calculated in this study should be viewed as an approximation.

d. Water Pollution Control
Water Use for Condenser Cooling:

The operation of steam-electric plants involves the discharge of large quantities of waste heat. The amount of heat to be discharged depends upon the type and efficiency of the plant. Although the most efficient plants achieve efficiencies of about 40 percent, the average for all fossil-fueled steam-electric plants in

1975 was about 33 percent (heat rate of 10,259 Btu/kwh). In the operation of a power plant, some heat energy is lost within the plant and through the stack. On the average, however, more than one-half of the fuel or energy input is discharged to the cooling water in the condensing process. The heat added to the cooling water must then be dissipated to the air or water body.

The following tabulations show the extent to which various types of cooling were used by the 789 plants for which information on cooling systems was reported in 1975 relative to installed capacities totaling 394,695 megawatts. For comparison, corresponding percentages are shown for the 787 plants with capacities totaling 372,022 megawatts as reported in 1974; for 769 plants with capacities totaling 339,967 megawatts as reported in 1973; for 695 plants with capacities totaling 309,836 megawatts in 1972; for 689 plants with capacities totaling 283,410 megawatts in 1971; for 681 plants with capacities totaling 261,713 megawatts in 1970, and for 651 plants with capacities totaling 242,927 megawatts as reported for 1969.

	Percent of Total Number of Plants						
Type of Cooling	1969	1970	1971	1972	1973	1974	1975
Once-through, fresh	49.8	49.4	48.1	47.2	44.0	43.4	42.7
Once-through, saline	18.9	18.5	18.1	17.3	16.4	15.5	15.6
Cooling ponds	5.4	5.7	6.0	6.3	6.0	6.6	7.1
Cooling towers	17.2	17.5	18.1	18.6	21.5	23.4	22.8
Combined systems	8.7	8.9	9.7	10.6	12.1	11.1	11.8
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0

	Percent of Total Installed Capacity						
Type of Cooling	1969	1970	1971	1972	1973	1974	1975
Once-through, fresh	50.5	50.1	47.7	45.4	43.1	41.1	39.4
Once-through, saline	23.5	22.8	21.5	20.9	20.1	18.9	18.5
Cooling ponds	5.9	6.7	7.3	8.0	8.6	8.5	9.0
Cooling towers	10.9	11.2	12.9	13.4	14.4	16.1	16.6
Combined systems	9.2	9.2	10.6	12.3	13.8	15.4	16.5
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0

As indicated, most of the plants providing the major share of steam-electric capacity employ once-through cooling using either fresh or saline water. During the seven year period 1969-1975, however, there was an increasing trend from once-through cooling toward the use of cooling ponds, cooling towers and combined systems. The latter types of cooling facilities (ponds, towers and combined systems) were used by 26.0 percent of the total installed capacity reported for 1969, compared with 42.1 percent in 1975. Essentially all towers were of the evaporative type and little use has thus far been made of the nonevaporative (dry) cooling towers. Implementation of recent State and Federal water pollution control legislation and general public concern for protecting the environment is expected to accelerate the use of cooling ponds and towers for new plants.

The total average rate of withdrawal of fresh water for cooling purposes in 1975 was reported to be 196,153 cubic feet per second (cfs). This rate is equivalent to about eleven percent of the average annual runoff of all streams in the conterminous United States. Most of the water withdrawn is returned to the source water bodies to be withdrawn again for other purposes. The total average rate of saline water withdrawal in 1975 was reported to be 85,254 cfs. The following tabulation shows the total reported withdrawal rates for each of the years 1969-1975.

	1969	1970	1971	1972	1973	1974	1975
Fresh water	165,232	172,005	172,392	182,558	195,370	196,781	196,153
Saline water	68,391	73,439	72,564	75,136	77,217	79,604	85,254

Plant rates of consumption (evaporating) of cooling water, as shown on line 64 of the Individual Plant Data reports, include reported amounts and also, for plants using once-through cooling, calculated amounts representing the estimated losses due to induced evaporation in receiving water bodies. The calculated amounts were included because the response for water consumption and the total rates of withdrawal of fresh cooling water was incomplete in some instances. The calculated amounts were determined by multiplying the plant withdrawals by .0086 (derived in footnote 14 of table 10). The various totals shown in the State and Regional Summary Tables 7-A and 7-B include

only the reported amounts for all types of cooling. From these tables, the national average rate of fresh water consumption for 1975 was 2,931 Cfs.

Chemical Additions to Boiler Water and Cooling Systems:

The principal chemical additives reported for cooling water treatment in 1975 were phosphate, lime, alum and chlorine, with chlorine (27,339 tons) and lime (17,009 tons) used in the greatest quantities. The additives were used primarily to prevent the fouling of condenser tubes. The principal chemicals used for the treatment of boiler water were phosphate, caustic soda, lime, alum and chlorine, with caustic soda (89,229 tons) being used in the greatest amount.

Capital and Annual Cost of Cooling Facilities:

The installed cost of all types of cooling facilities reported on Form 67 in 1975 reached $2,174 million, an increase of $209 million (10.6 percent) over similiar cost reported for 1974. In 1975 operating expenses for cooling water facilities totaled $69.4 million for operation and maintenance and $13.8 million for chemical additives. Assuming fixed charges of 15 percent of the capital investment, and adding annual operation and maintenance and chemical additive costs, the average unit costs for cooling facilities amounted to about 0.26 mills per kilowatt-hour in 1975. For comparison, similiar expenses in 1974 amounted to 0.23 mills per kilowatt-hour. The table below shows the total capital costs and annual operating expenses for all cooling facilities during the past seven years.

Year	Installed Cost Of All Types Of Cooling Facilities ($ Millions)	Annual Cooling Water Expenses ($ Millions)	
		Operation and Maintenance	Chemical Additions
1969	973	23.6	5.7
1970	1,083	23.9	5.8
1971	1,206	27.9	6.4
1972	1,336	35.4	6.9
1973	1,483	39.6	8.0
1974	1,969	58.5	11.3
1975	2,174	69.4	13.8

TABLE 1.A

FUEL CONSUMPTION AND QUALITY, BY REGION AND STATE, 1975

LINE NO	GEOGRAPHIC REGION AND STATE	COAL				OIL			GAS		LINE NO
			AVERAGE				AVERAGE			AVERAGE	
		CONSUMPTION (1000 TONS)	HEATING VALUE (BTU/LB.)	SULFUR (%)	ASH (%)	CONSUMPTION (1000 BBLS)	HEATING VALUE (BTU/GAL.)	SULFUR (%)	CONSUMPTION (1000 MCF)	HEATING VALUE (BTU/CF.)	
	NEW ENGLAND										
1	CONNECTICUT					21,994.86	144,928	.41	.08	1,000	1
2	MAINE					2,713.40	148,288	2.11			2
3	MASSACHUSETTS	805.10	11,852	.85	12.59	39,460.52	146,452	.73	1,004.95	1,002	3
4	NEW HAMPSHIRE	978.80	13,138	2.34	9.27	2,213.92	145,958	1.81			4
5	RHODE ISLAND					1,527.21	147,161	.93			5
6	VERMONT										6
7	**TOTALS**	**1,783.90**	**12,558**	**1.67**	**10.77**	**67,909.91**	**146,031**	**.72**	**1,005.03**	**1,002**	**7**
	MIDDLE ATLANTIC										
8	NEW JERSEY	2,248.19	12,329	1.89	11.28	27,589.42	142,792	.36	8,103.05	1,028	8
9	NEW YORK	6,013.96	11,858	2.08	14.12	83,928.07	145,281	1.08	12,893.57	1,025	9
10	PENNSYLVANIA	36,716.76	11,691	2.09	16.80	12,103.68	144,083	.43	237.17	1,029	10
11	**TOTALS**	**44,978.91**	**11,745**	**2.08**	**16.17**	**123,621.17**	**144,609**	**.86**	**21,234.19**	**1,026**	**11**
	EAST NORTH CENTRAL										
12	ILLINOIS	32,313.31	10,054	2.47	10.98	7,245.48	145,715	.72	29,169.21	1,029	12
13	INDIANA	29,044.00	10,580	2.85	11.78	1,447.16	137,728	.17	10,455.25	1,000	13
14	MICHIGAN	21,205.79	11,609	2.42	12.78	15,087.05	141,890	.73	41,402.23	759	14
15	OHIO	46,851.15	10,850	2.95	16.78	1,400.59	143,059	.91	4,649.28	859	15
16	WISCONSIN	9,705.17	10,780	2.44	10.69	545.32	143,917	1.12	13,506.44	1,017	16
17	**TOTALS**	**139,119.42**	**10,720**	**2.70**	**13.35**	**25,725.60**	**142,840**	**.71**	**99,182.41**	**904**	**17**
	WEST NORTH CENTRAL										
18	IOWA	5,048.79	10,202	1.98	10.23	93.20	137,031	.38	41,451.64	1,006	18
19	KANSAS	2,981.96	10,168	3.60	19.12	5,080.38	145,648	.84	107,806.60	993	19
20	MINNESOTA	7,306.38	9,028	1.45	9.52	807.08	149,796	1.77	16,160.55	976	20
21	MISSOURI	14,980.79	10,794	3.09	13.46	948.70	145,646	1.28	24,032.14	978	21
22	NEBRASKA	1,265.41	10,509	.93	9.17	629.34	149,462	.78	31,396.36	982	22
23	NORTH DAKOTA	4,343.03	6,636	.62	8.70	20.12	139,506	.34	78.10	1,054	23
24	SOUTH DAKOTA	1,574.67	6,362	.77	7.33	139.63	149,175	.74	3,719.03	1,002	24
25	**TOTALS**	**37,501.03**	**9,643**	**2.20**	**11.76**	**7,718.45**	**146,337**	**.98**	**224,644.42**	**991**	**25**
	SOUTH ATLANTIC										
26	DELAWARE	1,080.60	12,676	3.11	10.87	6,426.00	143,811	.88	4,837.56	1,102	26
27	DISTRICT OF COLUMBIA	110.83	12,779	.70	9.47	2,060.05	146,802	.96			27
28	FLORIDA	5,763.90	11,354	2.90	11.18	68,252.35	147,975	1.54	134,511.27	1,009	28
29	GEORGIA	12,468.96	11,665	1.89	12.25	3,733.42	146,687	1.76	38,691.14	1,028	29
30	MARYLAND	3,873.25	12,093	1.68	13.86	17,462.22	146,514	1.24			30
31	NORTH CAROLINA	17,954.38	11,768	1.13	13.58	327.36	138,985	.35	16.52	1,031	31
32	SOUTH CAROLINA	4,401.08	11,968	1.31	11.96	4,363.51	148,308	1.96	13,252.45	1,028	32
33	VIRGINIA	3,968.34	11,941	.83	14.64	25,431.69	147,932	1.68	397.59	1,129	33
34	WEST VIRGINIA	25,746.02	11,567	2.16	16.03	387.15	138,470	.16	359.63	647	34
35	**TOTALS**	**75,367.36**	**11,702**	**1.79**	**13.95**	**128,443.75**	**147,463**	**1.50**	**192,066.16**	**1,016**	**35**
	EAST SOUTH CENTRAL										
36	ALABAMA	17,193.70	11,445	2.36	14.79	559.25	137,260	.47	5,998.49	1,033	36
37	KENTUCKY	22,326.83	10,740	3.20	15.16	242.61	134,546	.28	1,279.00	1,013	37
38	MISSISSIPPI	1,409.74	11,622	2.83	9.62	9,028.98	148,650	1.98	25,990.47	1,032	38
39	TENNESSEE	18,885.60	10,930	2.81	16.36	217.35	137,916	.39			39
40	**TOTALS**	**59,815.87**	**11,024**	**2.82**	**15.30**	**10,048.19**	**147,444**	**1.82**	**33,267.96**	**1,031**	**40**
	WEST SOUTH CENTRAL										
41	ARKANSAS					4,266.58	149,060	1.11	32,128.38	1,011	41
42	LOUISIANA					6,171.18	145,450	.60	369,091.80	1,069	42
43	OKLAHOMA					27.81	145,593	1.18	294,691.17	1,039	43
44	TEXAS	9,044.30	6,533	.55	12.38	1,852.19	145,007	.56	1,328,132.58	1,023	44
45	**TOTALS**	**9,044.30**	**6,533**	**.55**	**12.38**	**12,317.76**	**146,634**	**.77**	**2,024,043.83**	**1,033**	**45**
	MOUNTAIN										
46	ARIZONA	4,006.20	10,724	.45	9.19	6,929.51	144,827	.63	14,676.40	1,069	46
47	COLORADO	5,771.28	9,949	.52	9.02	723.49	147,432	.92	47,657.50	992	47
48	IDAHO										48
49	MONTANA	1,040.90	7,902	.69	8.65	2.00	146,500	1.74	616.20	1,150	49
50	NEVADA	3,907.57	12,289	.41	9.73	1,252.75	148,294	.71	24,418.90	1,067	50
51	NEW MEXICO	7,335.30	8,923	.57	22.33	1,703.61	141,293	.44	60,351.78	1,032	51
52	UTAH	2,017.09	11,868	.50	11.50	32.03	140,327	.33	2,529.24	940	52
53	WYOMING	6,905.81	8,270	.54	10.25	108.61	137,377	.25	12.86	833	53
54	**TOTALS**	**30,984.15**	**9,783**	**.52**	**12.71**	**10,752.00**	**144,758**	**.62**	**150,262.88**	**1,028**	**54**
	PACIFIC										
55	CALIFORNIA					78,499.31	146,151	.41	273,775.62	1,061	55
56	OREGON										56
57	WASHINGTON	4,008.50	7,801	.51	14.92	69.00	137,800	.30			57
58	**TOTALS**	**4,008.50**	**7,801**	**.51**	**14.92**	**78,568.31**	**146,143**	**.41**	**273,775.62**	**1,061**	**58**
	NON-CONTIGUOUS U.S.										
59	ALASKA	141.92	8,398	.21	9.66	1.37	135,747	.03			59
60	HAWAII					8,325.90	148,844	.80			60
61	PUERTO RICO					17,344.54	148,179	2.10			61
62	VIRGIN ISLANDS										62
63	**TOTALS**	**141.92**	**8,398**	**.21**	**9.66**	**25,671.81**	**148,394**	**1.68**			**63**
64	**U.S. TOTALS**	**402,745.36**	**10,775**	**2.19**	**13.85**	**490,776.95**	**146,043**	**.98**	**3,019,482.60**	**1,027**	**64**

TABLE 1-B

FUEL CONSUMPTION AND QUALITY, BY AIR QUALITY CONTROL REGION, 1975

AQCR NO	AIR QUALITY CONTROL REGION	COAL				OIL			GAS		AQCR NO
			AVERAGE				AVERAGE			AVERAGE	
		CONSUMPTION (1000 TONS)	HEATING VALUE (BTU/LB.)	SULFUR (%)	ASH (%)	CONSUMPTION (1000 BBLS)	HEATING VALUE (BTU/GAL.)	SULFUR (%)	CONSUMPTION (1000 MCF)	HEATING VALUE (BTU/CF.)	
1	ALABAMA AND TOMBIGBEE RIVERS	67.40	11,625	.99	15.72	2.31	130,500	.40			1
2	COLUMBUS-PHENIX CITY										2
3	EAST ALABAMA	223.01	11,614	1.34	11.96	4.43	137,343	.50	221.55	1,027	3
4	METROPOLITAN BIRMINGHAM	7,802.42	11,627	1.84	14.21	181.57	138,213	.50			4
5	MOBILE-PENSAC.-PAN. CITY-SO MISS	6,652.08	11,621	2.06	12.15	5,260.56	145,900	1.79	39,523.23	1,024	5
6	SOUTHEAST ALABAMA	18.29	11,664	1.79	13.34				2,370.17	1,027	6
7	TENN. RIV. VALLEY-CUMBERLAND MTS	5,980.00	11,131	3.57	16.12	49.06	138,369	.12			7
8	COOK INLET										8
9	NORTHERN ALASKA	141.92	8,398	.21	9.66	1.37	135,747	.03			9
10	SOUTH CENTRAL ALASKA										10
11	SOUTHEASTERN ALASKA										11
12	ARIZONA-NEW MEX. SOUTHERN BORDER					339.90	141,047	.48	3,500.35	1,070	12
13	CLARK-MOHAVE	3,907.57	12,289	.41	9.73	909.35	147,285	.59	11,066.80	1,079	13
14	FOUR CORNERS	12,394.62	9,785	.53	17.04	421.85	135,892	.48	2,298.85	1,101	14
15	PHOENIX-TUCSON					6,015.31	145,488	.65	11,022.00	1,072	15
16	CENTRAL ARKANSAS					933.82	147,944	.89	11,552.62	1,013	16
17	METROPOLITAN FORT SMITH										17
18	METROPOLITAN MEMPHIS	1,608.40	10,823	3.13	12.42	8.99	138,000	.40			18
19	MONROE-EL DORADO					968.27	141,831	1.21	20,102.06	1,007	19
20	NORTHEAST ARKANSAS					2,817.11	149,230	.50	15,616.31	1,016	20
21	NORTHWEST ARKANSAS					96.60	152,422	2.69	302.25	1,015	21
22	SHREVEPORT-TEXARKANA-TYLER	3,572.90	6,200	.48	15.40	867.11	146,646	.65	135,736.45	994	22
23	GREAT BASIN VALLEY										23
24	METROPOLITAN LOS ANGELES					56,250.08	145,840	.42	81,844.14	1,047	24
25	NORTH CENTRAL COAST					4,213.16	145,557	.40	52,606.53	1,082	25
26	NORTH COAST					66.42	151,326	.80	1,641.95	1,033	26
27	NORTHEAST PLATEAU										27
28	SACRAMENTO VALLEY										28
29	SAN DIEGO					9,717.00	146,747	.35	12,352.00	1,052	29
30	SAN FRANCISCO BAY AREA					6,095.51	147,511	.40	91,275.91	1,056	30
31	SAN JOAQUIN VALLEY										31
32	SOUTH CENTRAL COAST					1,629.15	146,343	.40	21,263.90	1,083	32
33	SOUTHEAST DESERT					527.99	156,056	1.26	12,790.79	1,075	33
34	COMANCHE					3.51	145,000	.20	1,093.43	1,002	34
35	GRAND MESA	378.46	11,138	.69	12.92	.21	136,205	.19	2,382.65	1,012	35
36	METROPOLITAN DENVER	2,985.00	10,247	.52	8.70	676.38	147,895	.96	33,466.17	1,001	36
37	PAWNEE										37
38	SAN ISABEL	1,759.66	8,947	.52	8.12	42.85	140,591	.32	10,715.25	961	38
39	SAN LUIS										39
40	YAMPA	648.10	10,604	.45	10.66	.54	130,000	.20			40
41	EASTERN CONNECTICUT					2,490.50	143,530	.47			41
42	HARTFORD-NEW HAVEN-SPRINGFIELD					13,473.25	145,599	.49	848.43	1,000	42
43	NEW JERSEY-NEW YORK-CONNECTICUT	529.00	12,345	1.41	11.13	54,390.56	144,308	.64	19,644.97	1,026	43
44	NORTHWESTERN CONNECTICUT										44
45	METROPOLITAN PHILADELPHIA	2,850.00	12,588	2.40	9.80	21,274.34	143,811	.48	6,141.21	1,046	45
46	SOUTHERN DELAWARE	903.00	12,390	2.12	12.97	688.00	146,929	1.55	249.00	1,030	46
47	NATIONAL CAPITAL	2,904.53	12,045	1.61	13.60	10,348.12	146,879	1.30			47
48	CENTRAL FLORIDA					14,549.70	147,117	1.21	30,945.63	1,010	48
49	JACKSONVILLE-BRUNSWICK					12,927.43	148,818	1.87	8,946.54	1,027	49
50	SOUTHEAST FLORIDA					17,721.26	146,957	1.00	70,838.72	1,003	50
51	SOUTHWEST FLORIDA					4,382.00	148,343	.90	1,486.20	1,031	51
52	WEST CENTRAL FLORIDA	3,585.90	11,146	3.14	11.14	19,626.40	148,872	2.20	11,265.50	1,036	52
53	AUGUSTA-AIKEN	427.82	12,530	1.33	9.89	.73	138,315	.30	2,450.45	1,028	53
54	CENTRAL GEORGIA	2,611.77	11,640	1.21	13.88				6,885.87	1,028	54
55	CHATTANOOGA	5,852.44	11,583	2.29	10.97	10.23	137,000	.10			55
56	METROPOLITAN ATLANTA	3,594.94	11,745	1.79	13.15	731.19	140,500	.10	22,020.77	1,028	56
57	NORTHEAST GEORGIA										57
58	SAVANNAH-BEAUFORT	276.51	11,851	1.31	13.33	1,574.97	148,473	2.29	11,799.05	1,029	58
59	SOUTHWEST GEORGIA	409.81	12,287	1.21	12.04						59
60	HAWAII (ENTIRE STATE)					8,325.90	148,844	.80			60
61	EASTERN IDAHO										61
62	EASTERN WASH.-NORTHERN IDAHO										62
63	IDAHO										63
64	METROPOLITAN BOISE										64
65	BURLINGTON-KEOKUK	5,446.72	10,063	2.70	10.38	708.65	149,532	.66	3,443.65	1,000	65
66	EAST CENTRAL	448.80	10,722	3.12	12.79	41.58	138,529	.23			66
67	METROPOLITAN CHICAGO	14,890.50	9,619	1.09	7.99	4,484.50	147,748	.83	25,153.46	1,025	67
68	METROPOLITAN DUBUQUE	765.24	10,829	4.28	11.63	3.47	139,501	.28	2,072.20	1,000	68
69	METROPOLITAN QUAD CITIES	1,322.40	10,559	2.64	9.82	159.70	137,854	.50	7,872.40	1,036	69
70	METROPOLITAN ST. LOUIS	15,084.00	10,809	2.86	11.06	1,562.30	143,691	1.04	2,688.50	1,032	70
71	NORTH CENTRAL ILLINOIS	908.79	10,335	2.92	11.50	1.92	136,220	.10	2,417.00	1,030	71
72	PADUCAH-CAIRO	12,858.86	10,614	3.46	15.66	99.21	137,077	.20			72
73	ROCKFORD-JANESVILLE-BELOIT	332.85	10,779	2.67	12.18	546.74	137,987	.50	867.96	1,005	73
74	SOUTHEAST ILLINOIS	1,261.18	10,933	3.49	13.26	118.82	137,608	.23			74
75	WEST CENTRAL ILLINOIS	6,148.30	9,635	4.06	17.61	309.00	141,836	.12	22.00	981	75
76	EAST CENTRAL INDIANA	178.00	11,039	2.92	11.95	.61	138,000	1.00			76
77	EVANSVILLE-OWENSBORO-HENDERSON	10,649.20	10,634	3.29	12.62	135.45	140,073	.55	638.20	1,001	77
78	LOUISVILLE	4,353.30	11,083	3.65	13.04	66.20	137,000	.31	689.90	1,025	78
79	METROPOLITAN CINCINNATI	7,260.68	10,738	3.03	16.08	378.96	137,482	.36	2,463.20	1,007	79
80	METROPOLITAN INDIANAPOLIS	2,499.00	10,838	2.66	9.97	69.50	135,092	.30	46.00	900	80
81	NORTHEAST INDIANA										81
82	SOUTH BEND-ELKHART-BENTON HARBOR	1,249.79	10,306	2.91	13.72	937.80	137,945	.10	4,836.68	1,000	82
83	SOUTHERN INDIANA	4,209.00	10,577	3.44	12.09						83
84	WABASH VALLEY	5,904.98	10,650	2.71	12.03	195.25	136,930	.28	10.27	1,000	84

TABLE 1-B

(Contd) - FUEL CONSUMPTION AND QUALITY, BY AIR QUALITY CONTROL REGION, 1975

AQCR NO	AIR QUALITY CONTROL REGION	COAL				OIL			GAS		AQCR NO
			AVERAGE				AVERAGE			AVERAGE	
		CONSUMPTION (1000 TONS)	HEATING VALUE (BTU/LB.)	SULFUR (%)	ASH (%)	CONSUMPTION (1000 BBLS)	HEATING VALUE (BTU/GAL.)	SULFUR (%)	CONSUMPTION (1000 MCF)	HEATING VALUE (BTU/CF.)	
85	METROPOL. OMAHA-COUNCIL BLUFFS	1,336.91	10,364	.74	9.00	40.54	137,698	.25	17,074.36	1,000	85
86	METROPOLITAN SIOUX CITY	1,037.42	9,985	.60	10.38	1.08	138,860	.10	5,577.70	1,002	86
87	METROPOLITAN SIOUX FALLS	47.72	9,140	.88	8.18	113.27	151,310	.80	3,719.03	1,002	87
88	NORTHEAST IOWA	812.26	10,423	1.57	9.44	10.10	138,005	.24	6,978.67	1,016	88
89	NORTH CENTRAL IOWA	40.77	10,401	2.56	16.05				926.41	999	89
90	NORTHWEST IOWA	42.87	11,332	2.93	11.60				660.68	1,000	90
91	SOUTHEAST IOWA										91
92	SOUTH CENTRAL IOWA	833.87	9,632	2.70	12.65	76.65	136,699	.40	17,302.88	994	92
93	SOUTHWEST IOWA										93
94	METROPOLITAN KANSAS CITY	3,105.87	11,222	2.68	13.30	189.17	143,694	.87	27,668.36	968	94
95	NORTHEAST KANSAS	903.50	10,381	1.19	12.57	1,130.00	146,774	1.17	18,452.50	1,023	95
96	NORTH CENTRAL KANSAS					117.83	142,139	.80	3,149.70	961	96
97	NORTHWEST KANSAS					164.66	147,357	.85	6,081.00	953	97
98	SOUTHEAST KANSAS	1,588.15	9,636	5.04	24.66	351.63	147,732	1.11	6,754.10	1,021	98
99	SOUTH CENTRAL KANSAS					1,604.25	148,237	.92	53,139.39	993	99
100	SOUTHWEST KANSAS					1,408.52	140,837	.42	10,475.00	975	100
101	APPALACHIAN	30.31	12,043	1.43	11.78	.92	132,000	.02			101
102	BLUEGRASS	1,758.78	11,417	1.62	14.20	32.83	139,386	.21			102
103	HUNTINGTON-ASHL.-PORTSM.-IRONTON	17,782.00	10,746	2.30	16.64	323.30	133,337	.13			103
104	NORTH CENTRAL KENTUCKY										104
105	SOUTH CENTRAL KENTUCKY	651.72	11,872	2.10	13.21						105
106	SOUTHERN LOUISIANA-SE TEXAS					5,544.19	146,398	.65	436,260.18	1,062	106
107	ANDROSCOGGIN VALLEY					385.00	149,052	2.00			107
108	AROOSTOOK										108
109	DOWN EAST					242.40	148,289	2.18			109
110	METROPOLITAN PORTLAND					2,088.00	148,147	2.12			110
111	NORTHWEST MAINE										111
112	CENTRAL MARYLAND										112
113	CUMBERLAND-KEYSER	3,263.52	11,278	1.80	18.58	2.61	139,000	.25			113
114	EASTERN SHORE					1,103.00	145,628	1.30			114
115	METROPOLITAN BALTIMORE	502.65	12,657	.89	10.33	9,230.61	145,139	.83			115
116	SOUTHERN MARYLAND	968.30	12,166	1.83	14.55	5,693.70	148,564	1.82			116
117	BERKSHIRE										117
118	CENTRAL MASSACHUSETTS					35.05	143,424	.93	101.30	1,020	118
119	METROPOLITAN BOSTON	82.10	11,083	1.30	15.94	19,300.80	145,966	.59			119
120	METROPOLITAN PROVIDENCE	723.00	11,940	.80	12.21	18,689.16	147,021	.87	55.30	1,000	120
121	MERRIMACK VALLEY-SOUTHERN N.H.	976.80	13,138	2.34	9.27	2,213.92	145,958	1.81			121
122	CENTRAL MICHIGAN	5,159.80	11,170	3.25	14.44	5,778.70	135,411	.45	3.10	1,000	122
123	METROPOLITAN DETROIT-PORT HURON	6,580.53	11,333	1.79	12.28	7,727.07	147,176	.92	38,777.43	742	123
124	METROPOLITAN TOLEDO	9,148.00	11,934	2.42	13.32	559.68	140,246	.49	1,534.00	550	124
125	SOUTH CENTRAL MICHIGAN	1,196.86	11,904	2.93	12.55	1,129.70	140,938	1.08	1,821.40	1,000	125
126	UPPER MICHIGAN	1,048.50	11,743	1.46	9.79				800.30	1,021	126
127	CENTRAL MINNESOTA										127
128	SOUTHEAST MINNESOTA-LA CROSSE	1,533.99	10,271	2.66	12.58	390.41	149,897	2.15	8,408.67	1,001	128
129	DULUTH-SUPERIOR	2,191.03	8,504	1.04	9.22	521.03	148,857	1.39	1,577.99	1,005	129
130	METROPOLITAN FARGO-MOORHEAD	1.79	7,263	.60	5.30	1.58	140,000	.10			130
131	MINNEAPOLIS-ST. PAUL	4,125.62	9,479	1.76	10.28	21.09	139,853	.50	6,278.11	936	131
132	NORTHWEST MINNESOTA	706.10	7,209	.88	6.56	30.49	147,504	.97	195.70	998	132
133	SOUTHWEST MINNESOTA	103.42	9,302	1.42	9.53	.82	139,576	.50	654.47	1,000	133
134	MISSISSIPPI DELTA	38.24	12,368	2.85	8.07	4,158.36	151,219	2.13	902.69	1,000	134
135	NORTHEAST MISSISSIPPI										135
136	NORTHERN PIEDMONT	381.94	11,724	.94	13.99	11.49	137,000	.20			136
137	NORTHERN MISSOURI	138.17	11,340	2.68	11.16	24.12	137,978	.10	46.69	1,000	137
138	SOUTHEAST MISSOURI					13.79	150,160	1.30			138
139	SOUTHWEST MISSOURI	2,600.07	9,904	4.51	22.41	35.65	138,678	.28	5,373.00	1,011	139
140	BILLINGS	592.00	8,469	.75	8.60	2.00	146,500	1.74	455.00	1,195	140
141	GREAT FALLS										141
142	HELENA										142
143	MILES CITY	448.90	7,154	.62	8.71				161.20	1,026	143
144	MISSOULA										144
145	LINCOLN-BEATRICE-FAIRBURY	209.80	11,189	1.96	9.73	11.79	150,812	1.51	4,534.63	1,000	145
146	NEBRASKA	36.80	10,300	.70	7.00	577.01	150,261	.80	11,466.07	951	146
147	NEVADA										147
148	NORTHWEST NEVADA					646.00	149,997	.82	14,726.00	1,056	148
149	NEW HAMPSHIRE										149
150	NEW JERSEY	671.79	12,208	2.90	12.58	1,499.88	143,210	.76			150
151	NE PENN.-UPPER DELAWARE VALLEY	2,412.50	11,732	1.74	13.76	1,822.50	142,020	.88			151
152	ALBUQUERQUE-MID RIO GRANDE					109.23	146,280	.62	19,870.70	1,033	152
153	EL PASO-LAS CRUCES-ALAMOGORDO					1,414.00	140,240	.37	22,088.00	1,026	153
154	NORTHEASTERN PLAINS										154
155	PECOS-PERMIAN BASIN					1.78	137,042	.30	32,813.38	1,020	155
156	SOUTHWESTERN MTS-AUGUSTINE PLAIN										156
157	UPPER RIO GRANDE VALLEY										157
158	CENTRAL NEW YORK					2,442.00	148,777	2.58			158
159	CHAMPLAIN VALLEY										159
160	GENESEE-FINGER LAKES	1,148.16	11,894	1.86	14.69	978.14	147,797	1.71			160
161	HUDSON VALLEY					14,954.00	147,258	2.17	21.40	1,008	161
162	NIAGARA FRONTIER	1,742.00	12,335	2.44	10.66						162
163	SOUTHERN TIER EAST	559.90	10,880	1.62	19.60	9.50	137,486	.25			163
164	SOUTHERN TIER WEST	2,563.90	11,732	2.04	15.02	8.90	137,522	.32			164
165	EASTERN MOUNTAIN	5,439.49	11,493	1.14	15.82	46.38	137,683	.16			165
166	EASTERN PIEDMONT	6,958.28	11,995	1.07	11.89	133.24	137,711	.18			166
167	METROPOLITAN CHARLOTTE	2,781.67	11,672	1.07	14.24	70.82	138,063	.20			167
168	NORTHERN COASTAL PLAIN										168

TABLE 1-B

(Contd) - FUEL CONSUMPTION AND QUALITY, BY AIR QUALITY CONTROL REGION, 1975

AQCR NO	AIR QUALITY CONTROL REGION	COAL				OIL			GAS		AQCR NO
			AVERAGE				AVERAGE			AVERAGE	
		CONSUMPTION (1000 TONS)	HEATING VALUE (BTU/LB.)	SULFUR (%)	ASH (%)	CONSUMPTION (1000 BBLS)	HEATING VALUE (BTU/GAL.)	SULFUR (%)	CONSUMPTION (1000 MCF)	HEATING VALUE (BTU/CF.)	
169	SANDHILLS	217.55	12,069	1.80	12.10	10.02	136,704	.15			169
170	SOUTHERN COASTAL PLAIN	1,185.70	11,933	1.53	13.16	42.62	144,444	1.47	16.52	1,031	170
171	WESTERN MOUNTAIN	989.75	11,700	1.18	11.94	12.79	147,460	.15			171
172	NORTH DAKOTA	4,343.03	6,636	.62	8.70	20.12	139,506	.34	78.10	1,054	172
173	DAYTON	1,322.75	11,449	1.26	14.15	85.00	136,135	.21	140.40	1,045	173
174	GREATER METROPOLITAN CLEVELAND	7,304.00	11,655	3.13	13.78	226.06	147,578	1.51			174
175	MANSFIELD-MARION										175
176	METROPOLITAN COLUMBUS	285.22	11,010	3.46	14.45	13.04	138,713	.24	511.68	1,020	176
177	NORTHWEST OHIO										177
178	NORTHWEST PENN.-YOUNGSTOWN	5,053.00	11,871	2.62	13.85	416.41	147,758	1.46			178
179	PARKERSBURG-MARIETTA	4,344.70	10,356	4.17	19.33	41.47	139,762	.28			179
180	SANDUSKY	15.60	11,582	3.39	12.48	1.50	138,000	.30			180
181	STEUBENVILLE-WEIRTON-WHEELING	14,068.10	11,047	3.10	16.90	191.17	137,087	.21			181
182	WILMINGTON-CHILLICOTHE-LOGAN										182
183	ZANESVILLE-CAMBRIDGE	2,865.00	10,321	4.35	18.38						183
184	CENTRAL OKLAHOMA					1.90	147,397	1.00	65,983.70	1,035	184
185	NORTH CENTRAL OKLAHOMA								585.00	1,043	185
186	NORTHEASTERN OKLAHOMA					5.87	140,553	.43	97,676.00	1,036	186
187	NORTHWESTERN OKLAHOMA					.14	148,000	.75	14,437.49	1,049	187
188	SOUTHEASTERN OKLAHOMA					10.39	147,000	1.00	79,677.00	1,032	188
189	SOUTHWESTERN OKLAHOMA					9.51	146,771	1.88	36,331.98	1,060	189
190	CENTRAL OREGON										190
191	EASTERN OREGON										191
192	NORTHWEST OREGON										192
193	PORTLAND	4,008.50	7,801	.51	14.92	69.00	137,800	.30			193
194	SOUTHWEST OREGON										194
195	CENTRAL PENNSYLVANIA	5,570.90	11,410	1.73	19.20	265.05	137,390	.15			195
196	SOUTH CENTRAL PENNSYLVANIA	4,009.70	11,847	2.07	16.01	206.90	138,037	.25			196
197	SOUTHWEST PENNSYLVANIA	19,858.66	11,553	2.19	17.91	444.25	140,263	.25	15.17	1,050	197
198	CAMDEN-SUMTER										198
199	CHARLESTON	625.70	11,553	1.11	13.74	4,282.00	148,501	2.00	1,288.53	1,028	199
200	COLUMBIA	1,603.31	12,397	1.46	10.60	49.30	138,356	.10	5,486.60	1,028	200
201	FLORENCE	273.20	11,837	1.22	11.40	16.00	138,083	.10	2,012.32	1,028	201
202	GREENVILLE-SPARTANBURG	415.94	11,471	1.07	12.75	10.01	137,000	.20			202
203	GREENWOOD										203
204	GEORGETOWN	778.60	11,463	1.30	13.79						204
205	BLACK HILLS-RAPID CITY	175.02	7,939	.43	6.10						205
206	SOUTH DAKOTA	1,351.93	6,060	.81	7.46	26.36	140,000	.50			206
207	EASTERN TENN.-SOUTHWESTERN VA.	10,691.80	11,184	1.77	17.13	91.27	138,263	.31			207
208	MIDDLE TENNESSEE	8,351.10	10,757	3.62	16.48	124.59	137,571	.43			208
209	WESTERN TENNESSEE										209
210	ABILENE-WICHITA FALLS					176.01	143,783	.38	77,534.97	1,043	210
211	AMARILLO-LUBBOCK					50.79	138,033	.50	76,500.00	1,015	211
212	AUSTIN-WACO	5,471.40	6,750	.60	10.40	93.08	145,847	.20	122,476.37	1,021	212
213	BROWNSVILLE-LAREDO					9.27	140,000	.13	40,422.40	1,044	213
214	CORPUS CHRISTI-VICTORIA					16.16	140,000	.53	57,722.68	1,030	214
215	METROPOLITAN DALLAS-FORT WORTH					252.75	141,475	.62	192,459.50	1,019	215
216	METROPOLITAN HOUSTON-GALVESTON					95.82	144,661	.59	407,971.67	1,031	216
217	METROPOLITAN SAN ANTONIO					283.59	145,534	.54	62,898.38	1,030	217
218	MIDLAND-ODESSA-SAN ANGELO					80.18	144,553	.43	53,857.92	1,012	218
219	UTAH	440.10	11,465	.50	13.12	2.03	140,000	.20			219
220	WASATCH FRONT	523.87	11,508	.50	13.14	3.05	143,431	.20	2,529.24	940	220
221	VERMONT										221
222	CENTRAL VIRGINIA	47.49	13,350	.90	7.50	2.10	134,000	.25	300.64	1,045	222
223	HAMPTON ROADS	17.43				11,006.05	148,220	1.48	96.95	1,389	223
224	NORTHEASTERN VIRGINIA	551.26	12,248	.83	10.26						224
225	STATE CAPITAL	374.96	12,494	1.05	9.70	7,517.32	148,731	2.29			225
226	VALLEY OF VIRGINIA	568.20	12,058	.99	15.50	42.75	136,310	.15			226
227	NORTHERN WASHINGTON										227
228	OLYMPIA-NORTHWEST WASHINGTON										228
229	PUGET SOUND										229
230	SOUTH CENTRAL WASHINGTON										230
231	ALLEGHENY										231
232	CENTRAL WEST VIRGINIA										232
233	EASTERN PANHANDLE										233
234	KANAWHA VALLEY	7,560.30	11,405	.89	16.35	203.90	138,560	.10	48.50	1,100	234
235	NORTH CENTRAL WEST VIRGINIA	8,298.70	12,050	2.62	14.00	18.61	140,326	.25	311.13	576	235
236	SOUTHERN WEST VIRGINIA										236
237	LAKE MICHIGAN	1,951.05	11,142	2.69	10.19	20.17	138,039	.23	81.90	1,023	237
238	NORTH CENTRAL WISCONSIN	331.20	11,211	3.01	11.47	4.50	138,000	.22	2,326.30	1,022	238
239	SOUTHEASTERN WISCONSIN	4,141.26	11,259	2.17	10.33	339.17	143,787	1.27	5,137.38	1,023	239
240	SOUTHERN WISCONSIN	986.80	8,834	1.01	8.28	15.73	147,409	.30	3,576.91	1,014	240
241	CASPER	3,195.90	7,091	.54	14.01	10.60	137,000	.29			241
242	METROPOLITAN CHEYENNE										242
243	WYOMING	3,709.91	9,286	.53	7.02	98.01	137,417	.25	12.86	833	243
244	PUERTO RICO					17,344.54	148,179	2.10			244
245	AMERICAN SAMOA										245
246	GUAM										246
247	U. S. VIRGIN ISLANDS										247
	U.S. TOTALS	402,745.36	10,775	2.19	13.85	490,776.95	146,043	.98	3,019,482.60	1,027	

TABLE 2-A

ESTIMATED ANNUAL EMISSIONS, BY REGION AND STATE, 1975

LINE NO	GEOGRAPHIC REGION AND STATE	PLANT CAPACITY (MW)	ANNUAL GENERATION (1,000 MWH)	ESTIMATED ANNUAL EMISSIONS (1,000 TONS) PARTICULATES	SULFUR DIOXIDE	NITROGEN OXIDES	LINE NO
	NEW ENGLAND						
1	CONNECTICUT	6,010.05	20,788.40	1.45	26.49	41.52	1
2	MAINE	1,247.55	6,011.60	.30	19.08	5.95	2
3	MASSACHUSETTS	6,803.34	29,826.30	12.21	105.47	94.57	3
4	NEW HAMPSHIRE	1,051.99	3,636.10	1.16	58.36	31.80	4
5	RHODE ISLAND	242.90	778.80	.03	4.75	3.36	5
6	VERMONT	540.00	3,573.10				6
7	**TOTALS**	**15,895.83**	**64,614.30**	**15.15**	**218.15**	**177.60**	**7**
	MIDDLE ATLANTIC						
8	NEW JERSEY	6,741.15	22,610.60	3.62	116.59	101.32	8
9	NEW YORK	19,571.85	76,248.99	14.60	557.46	248.75	9
10	PENNSYLVANIA	22,836.49	104,976.14	105.51	1,519.61	354.60	10
11	**TOTALS**	**49,149.49**	**203,835.73**	**123.73**	**2,193.66**	**704.87**	**11**
	EAST NORTH CENTRAL						
12	ILLINOIS	23,768.21	90,452.60	29.86	1,560.73	558.75	12
13	INDIANA	13,479.12	62,317.93	133.81	1,623.38	396.56	13
14	MICHIGAN	15,175.75	64,621.14	117.93	1,061.19	251.67	14
15	OHIO	22,639.90	99,097.05	704.71	2,688.09	486.46	15
16	WISCONSIN	7,290.73	30,879.10	16.11	466.40	120.17	16
17	**TOTALS**	**82,353.71**	**347,367.82**	**1,002.42**	**7,419.79**	**1,814.01**	**17**
	WEST NORTH CENTRAL						
18	IOWA	3,964.40	13,998.51	14.72	196.38	66.29	18
19	KANSAS	4,471.13	16,821.70	110.32	224.60	91.26	19
20	MINNESOTA	5,136.90	23,448.23	122.52	212.62	80.10	20
21	MISSOURI	7,911.59	32,907.90	33.36	905.45	209.25	21
22	NEBRASKA	2,694.65	11,468.20	6.95	24.58	22.74	22
23	NORTH DAKOTA	1,244.50	4,740.10	27.15	52.56	70.12	23
24	SOUTH DAKOTA	610.66	1,828.20	4.93	24.11	39.92	24
25	**TOTALS**	**26,033.83**	**105,212.84**	**319.95**	**1,640.30**	**579.68**	**25**
	SOUTH ATLANTIC						
26	DELAWARE	1,417.10	5,978.90	6.03	84.71	31.30	26
27	DISTRICT OF COLUMBIA	954.00	1,191.60	.68	8.42	5.68	27
28	FLORIDA	16,997.04	66,614.21	15.62	677.39	259.10	28
29	GEORGIA	9,520.20	33,796.50	27.80	482.26	128.80	29
30	MARYLAND	6,517.10	23,431.40	60.82	200.58	73.53	30
31	NORTH CAROLINA	12,312.22	45,594.10	52.96	395.16	158.03	31
32	SOUTH CAROLINA	7,340.73	29,895.10	25.62	141.42	65.63	32
33	VIRGINIA	8,517.06	33,743.10	12.02	207.39	90.96	33
34	WEST VIRGINIA	12,302.18	61,273.20	229.75	1,079.15	266.04	34
35	**TOTALS**	**75,877.63**	**301,518.11**	**431.30**	**3,276.48**	**1,079.07**	**35**
	EAST SOUTH CENTRAL						
36	ALABAMA	11,967.27	39,453.20	380.05	794.92	151.12	36
37	KENTUCKY	11,032.50	47,027.64	46.54	1,398.81	294.91	37
38	MISSISSIPPI	4,417.10	10,848.30	5.12	138.34	37.62	38
39	TENNESSEE	10,066.90	39,187.60	180.76	1,038.64	197.14	39
40	**TOTALS**	**37,483.77**	**136,516.74**	**612.47**	**3,370.71**	**680.79**	**40**
	WEST SOUTH CENTRAL						
41	ARKANSAS	3,397.34	10,233.80	.72	15.95	15.68	41
42	LOUISIANA	11,339.41	38,067.15	1.04	12.44	85.08	42
43	OKLAHOMA	6,455.38	29,774.90		.11	55.06	43
44	TEXAS	39,018.49	142,608.43	48.54	101.06	343.59	44
45	**TOTALS**	**60,210.62**	**220,684.28**	**50.30**	**129.56**	**499.41**	**45**
	MOUNTAIN						
46	ARIZONA	4,771.54	12,987.70	12.45	48.47	74.13	46
47	COLORADO	2,927.80	14,261.60	57.87	62.98	77.62	47
48	IDAHO						48
49	MONTANA	649.80	1,584.60	1.85	14.17	9.49	49
50	NEVADA	2,368.08	10,298.60	6.58	33.80	41.92	50
51	NEW MEXICO	3,886.55	19,232.40	22.09	84.57	81.38	51
52	UTAH	887.64	4,668.40	9.70	19.80	24.78	52
53	WYOMING	2,536.50	10,100.80	52.51	72.81	74.15	53
54	**TOTALS**	**18,027.91**	**73,134.10**	**163.05**	**336.60**	**383.47**	**54**
	PACIFIC						
55	CALIFORNIA	24,549.01	81,285.00	12.62	109.10	226.39	55
56	OREGON						56
57	WASHINGTON	2,192.00	9,439.50	1.02	40.14	36.23	57
58	**TOTALS**	**26,741.01**	**90,724.50**	**13.64**	**149.24**	**262.62**	**58**
	NON-CONTIGUOUS U.S.						
59	ALASKA	25.00	193.60	2.67	.58	2.13	59
60	HAWAII	1,072.51	4,974.63	1.34	22.30	18.35	60
61	PUERTO RICO	3,169.00	9,609.60	2.90	122.11	38.15	61
62	VIRGIN ISLANDS						62
63	**TOTALS**	**4,266.51**	**14,777.83**	**6.91**	**144.99**	**58.63**	**63**
64	**U.S. TOTALS**	**396,040.31**	**1,558,386.25**	**2,738.92**	**18,879.48**	**6,240.15**	**64**

TABLE 2-B

ESTIMATED ANNUAL EMISSIONS, BY AIR QUALITY CONTROL REGION, 1975

AQCR NO	AIR QUALITY CONTROL REGION	PLANT CAPACITY (MW)	ANNUAL GENERATION (1,000 MWH)	ESTIMATED ANNUAL EMISSIONS (1,000 TONS) PARTICULATES	SULFUR OXIDES	NITROGEN OXIDES	AQCR NO
1	ALABAMA AND TOMBIGBEE RIVERS	75.00	135.40	2.70	1.31	.61	1
2	COLUMBUS-PHENIX CITY						2
3	EAST ALABAMA	138.00	459.30	3.37	5.86	2.06	3
4	METROPOLITAN BIRMINGHAM	4,126.98	14,511.50	116.04	282.28	70.62	4
5	MOBILE-PENSAC.-PAN. CITY-SO MISS	6,999.43	20,864.00	120.28	299.93	79.13	5
6	SOUTHEAST ALABAMA	40.00	222.60	.35	.64	.62	6
7	TENN. RIV. VALLEY-CUMBERLAND MTS	5,678.49	16,993.70	143.94	418.84	47.89	7
8	COOK INLET						8
9	NORTHERN ALASKA	25.00	193.60	2.67	.58	2.13	9
10	SOUTH CENTRAL ALASKA						10
11	SOUTHEASTERN ALASKA						11
12	ARIZONA-NEW MEX. SOUTHERN BORDER	214.50	460.60	.06	.55	1.36	12
13	CLARK-MOHAVE	1,994.78	8,710.00	6.52	32.63	38.56	13
14	FOUR CORNERS	5,507.50	23,540.80	33.56	128.08	140.16	14
15	PHOENIX-TUCSON	1,989.24	4,410.20	.94	12.05	14.32	15
16	CENTRAL ARKANSAS	1,852.50	6,392.90	.15	2.80	4.32	16
17	METROPOLITAN FORT SMITH						17
18	METROPOLITAN MEMPHIS	990.00	3,417.30	.54	98.67	44.23	18
19	MONROE-EL DORADO	593.99	2,932.70	.16	3.90	6.05	19
20	NORTHEAST ARKANSAS	1,162.00	3,139.00	.48	8.56	9.26	20
21	NORTHWEST ARKANSAS	59.84	110.40	.02	.87	.27	21
22	SHREVEPORT-TEXARKANA-TYLER	4,665.48	17,569.50	37.55	35.58	60.61	22
23	GREAT BASIN VALLEY						23
24	METROPOLITAN LOS ANGELES	12,887.51	43,058.80	8.89	79.35	139.91	24
25	NORTH CENTRAL COAST	2,174.70	8,904.70	.71	5.65	19.55	25
26	NORTH COAST	167.70	154.00	.01	.18	.47	26
27	NORTHEAST PLATEAU						27
28	SACRAMENTO VALLEY	1,070.00	2,472.60				28
29	SAN DIEGO	2,144.00	10,126.10	1.63	11.27	23.63	29
30	SAN FRANCISCO BAY AREA	4,713.70	11,632.00	1.02	8.24	31.24	30
31	SAN JOAQUIN VALLEY						31
32	SOUTH CENTRAL COAST	1,056.30	3,340.10	.27	2.19	7.74	32
33	SOUTHEAST DESERT	335.10	1,596.70	.09	2.22	3.65	33
34	COMANCHE	25.00	74.00			.22	34
35	GRAND MESA	109.50	701.50	.73	5.12	3.57	35
36	METROPOLITAN DENVER	1,448.80	8,466.80	52.37	34.02	47.45	36
37	PAWNEE						37
38	SAN ISABEL	1,181.30	3,720.80	4.54	18.12	20.54	38
39	SAN LUIS						39
40	YAMPA	163.20	1,298.50	.23	5.72	5.84	40
41	EASTERN CONNECTICUT	2,148.80	5,356.30	.26	3.93	5.49	41
42	HARTFORD-NEW HAVEN-SPRINGFIELD	3,129.74	13,024.90	1.10	22.07	29.87	42
43	NEW JERSEY-NEW YORK-CONNECTICUT	17,314.89	60,382.80	6.91	213.35	210.11	43
44	NORTHWESTERN CONNECTICUT						44
45	METROPOLITAN PHILADELPHIA	5,377.60	17,380.70	8.23	167.57	79.63	45
46	SOUTHERN DELAWARE	512.00	2,566.90	5.80	41.02	15.09	46
47	NATIONAL CAPITAL	4,758.00	12,794.40	45.62	137.54	49.30	47
48	CENTRAL FLORIDA	2,765.48	11,868.00	1.09	59.05	38.11	48
49	JACKSONVILLE-BRUNSWICK	1,998.05	8,154.20	1.99	81.14	30.24	49
50	SOUTHEAST FLORIDA	5,298.83	17,466.31	.57	59.34	52.88	50
51	SOUTHWEST FLORIDA	604.80	2,788.30	.28	13.18	9.95	51
52	WEST CENTRAL FLORIDA	4,766.88	21,286.50	9.00	363.84	108.35	52
53	AUGUSTA-AIKEN	250.00	1,248.80	4.68	11.15	6.90	53
54	CENTRAL GEORGIA	1,927.00	6,526.50	7.39	61.70	24.82	54
55	CHATTANOOGA	4,452.00	13,476.40	9.06	262.98	52.67	55
56	METROPOLITAN ATLANTA	2,343.00	10,335.20	10.90	126.67	39.29	56
57	NORTHEAST GEORGIA						57
58	SAVANNAH-BEAUFORT	925.80	2,839.80	4.28	21.67	10.62	58
59	SOUTHWEST GEORGIA	218.00	882.20	.29	9.72	3.69	59
60	HAWAII (ENTIRE STATE)	1,072.51	4,974.63	1.34	22.30	18.35	60
61	EASTERN IDAHO						61
62	EASTERN WASH.-NORTHERN IDAHO						62
63	IDAHO						63
64	METROPOLITAN BOISE						64
65	BURLINGTON-KEOKUK	3,282.95	11,057.80	4.80	289.70	102.72	65
66	EAST CENTRAL	212.30	886.40	.49	27.45	4.04	66
67	METROPOLITAN CHICAGO	12,238.02	47,400.00	14.04	332.52	226.22	67
68	METROPOLITAN DUBUQUE	351.00	1,677.50	1.20	64.24	16.77	68
69	METROPOLITAN QUAD CITIES	2,381.49	9,773.60	3.00	68.83	17.70	69
70	METROPOLITAN ST. LOUIS	7,900.79	33,239.20	11.05	844.65	231.62	70
71	NORTH CENTRAL ILLINOIS	455.75	1,997.40	2.92	52.02	9.93	71
72	PADUCAH-CAIRO	5,671.45	26,637.40	18.23	872.63	196.51	72
73	ROCKFORD-JANESVILLE-BELOIT	310.00	961.90	.24	18.44	9.79	73
74	SOUTHEAST ILLINOIS	506.10	2,561.60	1.60	86.40	17.92	74
75	WEST CENTRAL ILLINOIS	3,178.00	11,026.10	7.15	488.79	155.50	75
76	EAST CENTRAL INDIANA	93.00	352.20	.22	10.01	2.62	76
77	EVANSVILLE-OWENSBORO-HENDERSON	4,285.37	21,912.77	49.69	686.98	108.88	77
78	LOUISVILLE	2,665.50	9,569.00	4.17	311.25	39.47	78
79	METROPOLITAN CINCINNATI	4,122.85	13,968.55	108.31	430.41	87.16	79
80	METROPOLITAN INDIANAPOLIS	1,475.90	5,143.60	3.95	130.16	23.37	80
81	NORTHEAST INDIANA						81
82	SOUTH BEND-ELKHART-BENTON HARBOR	2,889.20	10,224.84	.27	71.60	37.39	82
83	SOUTHERN INDIANA	1,304.00	9,869.50	12.90	283.79	63.14	83
84	WABASH VALLEY	2,927.65	12,339.00	26.22	313.56	70.07	84

TABLE 2-B

(Contd) - ESTIMATED ANNUAL EMISSIONS, BY AIR QUALITY CONTROL REGION, 1975

AQCR NO	AIR QUALITY CONTROL REGION	PLANT CAPACITY (MW)	ANNUAL GENERATION (1,000 MWH)	ESTIMATED ANNUAL EMISSIONS (1,000 TONS)			AQCR NO
				PARTICULATES	SULFUR DIOXIDE	NITROGEN OXIDES	
85	METROPOL. OMAHA-COUNCIL BLUFFS	973.10	4,140.20	6.12	19.48	15.39	85
86	METROPOLITAN SIOUX CITY	1,037.00	2,353.58	.63	12.20	15.31	86
87	METROPOLITAN SIOUX FALLS	123.00	246.10	.99	1.12	1.37	87
88	NORTHEAST IOWA	1,117.45	4,027.37	1.99	31.29	10.76	88
89	NORTH CENTRAL IOWA	41.50	114.00	.75	2.05	.58	89
90	NORTHWEST IOWA	37.50	134.00	.17	2.46	.51	90
91	SOUTHEAST IOWA						91
92	SOUTH CENTRAL IOWA	651.80	2,422.66	7.17	44.22	12.72	92
93	SOUTHWEST IOWA						93
94	METROPOLITAN KANSAS CITY	2,578.63	8,128.30	17.75	163.83	55.94	94
95	NORTHEAST KANSAS	959.45	3,769.80	66.31	25.58	14.22	95
96	NORTH CENTRAL KANSAS	65.75	282.30	.02	.24	.51	96
97	NORTHWEST KANSAS	119.10	623.20	.03	.47	1.55	97
98	SOUTHEAST KANSAS	1,221.55	3,120.90	39.70	158.07	43.75	98
99	SOUTH CENTRAL KANSAS	1,260.50	6,025.10	.32	5.89	14.56	99
100	SOUTHWEST KANSAS	349.90	1,193.40	.23	1.98	5.15	100
101	APPALACHIAN	37.50	53.00	.05	.85	.27	101
102	BLUEGRASS	1,023.00	3,767.80	5.52	55.87	15.89	102
103	HUNTINGTON-ASHL.-PORTSM.-IRONTON	8,206.00	40,015.70	82.19	796.13	174.90	103
104	NORTH CENTRAL KENTUCKY						104
105	SOUTH CENTRAL KENTUCKY	354.00	1,466.50	.50	27.59	5.87	105
106	SOUTHERN LOUISIANA-SE TEXAS	12,282.19	43,836.65	.93	12.03	96.79	106
107	ANDROSCOGGIN VALLEY	976.50	4,667.40	.02	2.58	.85	107
108	AROOSTOOK						108
109	DOWN EAST	57.45	113.60	.04	1.77	.53	109
110	METROPOLITAN PORTLAND	213.60	1,230.60	.24	14.73	4.57	110
111	NORTHWEST MAINE						111
112	CENTRAL MARYLAND						112
113	CUMBERLAND-KEYSER	1,771.98	6,928.60	1.85	115.12	29.37	113
114	EASTERN SHORE	229.50	515.00	.07	4.81	2.43	114
115	METROPOLITAN BALTIMORE	2,091.10	6,445.80	1.36	34.27	24.80	115
116	SOUTHERN MARYLAND	2,170.00	9,850.20	17.35	69.49	21.27	116
117	BERKSHIRE						117
118	CENTRAL MASSACHUSETTS	35.45	20.00	.01	.11	.10	118
119	METROPOLITAN BOSTON	2,962.20	11,897.20	2.54	40.27	43.79	119
120	METROPOLITAN PROVIDENCE	3,637.70	15,755.80	9.59	65.45	47.34	120
121	MERRIMACK VALLEY-SOUTHERN N.H.	1,051.99	3,636.10	1.16	58.36	31.80	121
122	CENTRAL MICHIGAN	3,007.25	14,316.10	77.25	337.05	64.58	122
123	METROPOLITAN DETROIT-PORT HURON	5,082.50	19,714.30	30.98	270.95	91.32	123
124	METROPOLITAN TOLEDO	4,703.90	22,766.20	7.63	434.13	82.34	124
125	SOUTH CENTRAL MICHIGAN	974.50	3,030.90	1.69	72.81	15.45	125
126	UPPER MICHIGAN	410.80	2,514.50	2.23	30.02	14.36	126
127	CENTRAL MINNESOTA	568.80	2,879.50				127
128	SOUTHEAST MINNESOTA-LA CROSSE	2,162.50	10,805.34	4.75	82.76	16.18	128
129	DULUTH-SUPERIOR	873.70	3,853.90	103.76	46.96	21.61	129
130	METROPOLITAN FARGO-MOORHEAD	44.00	1.79	.06	.02	.01	130
131	MINNEAPOLIS-ST. PAUL	1,937.75	7,827.60	12.74	142.08	48.22	131
132	NORTHWEST MINNESOTA	182.90	865.20	1.31	12.16	6.37	132
133	SOUTHWEST MINNESOTA	75.35	196.60	2.25	2.89	1.04	133
134	MISSISSIPPI DELTA	1,033.47	2,730.30	1.18	31.86	9.64	134
135	NORTHEAST MISSISSIPPI						135
136	NORTHERN PIEDMONT	290.00	856.40	.44	7.04	3.44	136
137	NORTHERN MISSOURI	169.70	239.70	2.84	7.26	2.01	137
138	SOUTHEAST MISSOURI	33.00	5.00		.06	.03	138
139	SOUTHWEST MISSOURI	1,057.00	5,184.90	7.42	229.66	36.69	139
140	BILLINGS	241.80	1,048.10	1.73	6.71	5.42	140
141	GREAT FALLS						141
142	HELENA						142
143	MILES CITY	408.00	536.50	.12	5.46	4.07	143
144	MISSOULA						144
145	LINCOLN-BEATRICE-FAIRBURY	258.65	843.50	.46	8.10	6.49	145
146	NEBRASKA	1,593.50	7,226.40	.60	2.05	4.05	146
147	NEVADA						147
148	NORTHWEST NEVADA	460.00	1,861.60	.11	1.78	4.30	148
149	NEW HAMPSHIRE						149
150	NEW JERSEY	1,102.05	5,603.90	.95	41.99	21.78	150
151	NE PENN.-UPPER DELAWARE VALLEY	2,113.80	6,248.40	7.10	86.99	25.20	151
152	ALBUQUERQUE-MID RIO GRANDE	386.75	1,813.50	.03	.35	4.24	152
153	EL PASO-LAS CRUCES-ALAMOGORDO	667.30	2,976.50	.24	1.77	7.35	153
154	NORTHEASTERN PLAINS						154
155	PECOS-PERMIAN BASIN	482.90	3,135.50			6.45	155
156	SOUTHWESTERN MTS-AUGUSTINE PLAIN						156
157	UPPER RIO GRANDE VALLEY						157
158	CENTRAL NEW YORK	2,245.00	6,488.20	.33	28.88	7.36	158
159	CHAMPLAIN VALLEY						159
160	GENESEE-FINGER LAKES	1,117.60	5,693.49	4.04	47.38	13.56	160
161	HUDSON VALLEY	2,173.91	9,415.00	.90	108.90	32.97	161
162	NIAGARA FRONTIER	828.00	4,205.50	.86	82.82	20.32	162
163	SOUTHERN TIER EAST	163.75	1,018.80	.39	17.78	4.77	163
164	SOUTHERN TIER WEST	968.00	5,888.10	3.16	103.49	22.75	164
165	EASTERN MOUNTAIN	2,770.00	13,652.00	15.72	121.24	49.06	165
166	EASTERN PIEDMONT	4,364.01	17,584.90	17.93	142.25	58.81	166
167	METROPOLITAN CHARLOTTE	2,439.00	6,514.30	4.73	58.33	25.03	167
168	NORTHERN COASTAL PLAIN						168

TABLE 2-B

(Contd) - ESTIMATED ANNUAL EMISSIONS, BY AIR QUALITY CONTROL REGION, 1975

AQCR NO	AIR QUALITY CONTROL REGION	PLANT CAPACITY (MW)	ANNUAL GENERATION (1,000 MWH)	ESTIMATED ANNUAL EMISSIONS (1,000 TONS) PARTICULATES	SULFUR DIOXIDE	NITROGEN OXIDES	AQCR NO
169	SANDHILLS	165.50	476.00	.13	7.68	1.98	169
170	SOUTHERN COASTAL PLAIN	1,870.07	4,110.70	13.04	35.72	10.77	170
171	WESTERN MOUNTAIN	413.64	2,399.80	.97	22.90	8.94	171
172	NORTH DAKOTA	1,244.50	4,740.10	27.15	52.56	70.12	172
173	DAYTON	1,000.60	2,638.00	11.99	32.37	11.81	173
174	GREATER METROPOLITAN CLEVELAND	3,330.37	16,644.70	27.93	449.46	69.36	174
175	MANSFIELD-MARION						175
176	METROPOLITAN COLUMBUS	197.60	464.00	19.32	19.34	3.02	176
177	NORTHWEST OHIO						177
178	NORTHWEST PENN.-YOUNGSTOWN	2,159.20	10,803.70	38.03	262.56	58.44	178
179	PARKERSBURG-MARIETTA	1,881.80	8,839.40	116.30	355.63	68.72	179
180	SANDUSKY	31.33	21.00				180
181	STEUBENVILLE-WEIRTON-WHEELING	6,598.65	30,591.30	366.01	844.95	151.47	181
182	WILMINGTON-CHILLICOTHE-LOGAN						182
183	ZANESVILLE-CAMBRIDGE	1,557.00	5,720.40	49.27	244.47	37.90	183
184	CENTRAL OKLAHOMA	1,480.53	6,691.70		.01	12.87	184
185	NORTH CENTRAL OKLAHOMA	40.00	42.00			.11	185
186	NORTHEASTERN OKLAHOMA	1,835.15	9,741.20		.01	18.75	186
187	NORTHWESTERN OKLAHOMA	384.70	1,466.00			2.82	187
188	SOUTHEASTERN OKLAHOMA	1,857.50	8,066.50		.03	15.56	188
189	SOUTHWESTERN OKLAHOMA	857.50	3,767.50		.06	4.95	189
190	CENTRAL OREGON						190
191	EASTERN OREGON						191
192	NORTHWEST OREGON						192
193	PORTLAND	1,330.00	6,131.50	1.02	40.14	36.23	193
194	SOUTHWEST OREGON						194
195	CENTRAL PENNSYLVANIA	2,122.48	12,271.40	10.98	189.05	50.72	195
196	SOUTH CENTRAL PENNSYLVANIA	4,864.03	25,452.74	8.53	162.53	36.54	196
197	SOUTHWEST PENNSYLVANIA	9,536.68	45,555.60	53.52	850.38	179.35	197
198	CAMDEN-SUMTER						198
199	CHARLESTON	1,076.05	4,324.40	4.73	42.30	15.31	199
200	COLUMBIA	1,065.56	4,592.70	10.70	45.79	25.23	200
201	FLORENCE	975.32	855.90	.13	6.54	2.89	201
202	GREENVILLE-SPARTANBURG	3,006.00	16,221.30	.45	8.72	3.74	202
203	GREENWOOD						203
204	GEORGETOWN	478.20	1,824.00	.81	19.82	7.01	204
205	BLACK HILLS-RAPID CITY	32.00	176.00	3.89	1.48	1.31	205
206	SOUTH DAKOTA	455.66	1,406.10	.05	21.51	37.24	206
207	EASTERN TENN.-SOUTHWESTERN VA.	4,405.50	22,272.10	91.61	371.55	95.58	207
208	MIDDLE TENNESSEE	5,340.40	18,001.20	92.32	592.65	73.24	208
209	WESTERN TENNESSEE						209
210	ABILENE-WICHITA FALLS	1,923.24	7,982.80	.03	.23	15.49	210
211	AMARILLO-LUBBOCK	1,778.30	7,303.43		.08	14.96	211
212	AUSTIN-WACO	5,152.19	19,094.30	10.89	64.41	73.33	212
213	BROWNSVILLE-LAREDO	1,191.20	3,591.50			7.45	213
214	CORPUS CHRISTI-VICTORIA	1,833.50	5,811.10		.03	11.28	214
215	METROPOLITAN DALLAS-FORT WORTH	7,601.98	17,924.70	.01	.11	37.76	215
216	METROPOLITAN HOUSTON-GALVESTON	9,537.13	41,504.90	.02	.19	79.76	216
217	METROPOLITAN SAN ANTONIO	2,784.00	6,484.60	.05	.52	12.88	217
218	MIDLAND-ODESSA-SAN ANGELO	1,071.90	5,357.30	.01	.12	10.67	218
219	UTAH	166.00	911.00	7.55	4.31	3.97	219
220	WASATCH FRONT	310.64	1,221.00	1.81	5.14	4.95	220
221	VERMONT	540.00	3,573.10				221
222	CENTRAL VIRGINIA	29.00	100.00	.47	.84	.49	222
223	HAMPTON ROADS	2,006.64	6,669.50	.37	54.46	24.14	223
224	NORTHEASTERN VIRGINIA	254.28	1,299.10	2.40	8.97	4.96	224
225	STATE CAPITAL	3,235.54	14,265.90	1.91	65.41	19.39	225
226	VALLEY OF VIRGINIA	435.60	1,371.60	.05	11.04	5.21	226
227	NORTHERN WASHINGTON						227
228	OLYMPIA-NORTHWEST WASHINGTON						228
229	PUGET SOUND						229
230	SOUTH CENTRAL WASHINGTON	862.00	3,308.00				230
231	ALLEGHENY						231
232	CENTRAL WEST VIRGINIA						232
233	EASTERN PANHANDLE						233
234	KANAWHA VALLEY	3,599.50	18,260.00	32.59	131.78	68.51	234
235	NORTH CENTRAL WEST VIRGINIA	3,592.00	20,499.80	153.10	426.16	74.81	235
236	SOUTHERN WEST VIRGINIA						236
237	LAKE MICHIGAN	2,511.78	13,927.10	6.04	102.50	34.91	237
238	NORTH CENTRAL WISCONSIN	176.50	810.60	2.23	19.57	3.31	238
239	SOUTHEASTERN WISCONSIN	2,709.00	9,150.70	4.05	177.83	35.38	239
240	SOUTHERN WISCONSIN	707.60	2,040.30	.40	19.46	9.69	240
241	CASPER	750.30	4,368.40	39.12	33.84	28.79	241
242	METROPOLITAN CHEYENNE						242
243	WYOMING	1,786.20	5,732.40	13.39	38.97	45.36	243
244	PUERTO RICO	3,169.00	9,609.60	2.90	122.11	38.15	244
245	AMERICAN SAMOA						245
246	GUAM						246
247	U. S. VIRGIN ISLANDS						247
	U.S. TOTALS	**396,040.31**	**1,558,386.25**	**2,738.92**	**18,879.48**	**6,240.15**	

TABLE 3A

ASH AND SULFUR COLLECTION AND DISPOSAL, BY REGION AND STATE, 1975

LINE NO	GEOGRAPHIC REGION AND STATE	TOTAL ASH		TOTAL ELEMENTAL SULFUR		TOTAL SULFUR EQUIVALENT OF ACID		LINE NO
		COLLECTED (1,000 TONS)	SOLD (1,000 TONS)	COLLECTED (1,000 TONS)	SOLD (1,000 TONS)	COLLECTED (1,000 TONS)	SOLD (1,000 TONS)	
	NEW ENGLAND							
1	CONNECTICUT	4.03						1
2	MAINE	.33	.10					2
3	MASSACHUSETTS	94.76	.90					3
4	NEW HAMPSHIRE	87.79	64.03					4
5	RHODE ISLAND							5
6	VERMONT							6
7	**TOTALS**	**186.91**	**65.03**					**7**
	MIDDLE ATLANTIC							
8	NEW JERSEY	243.00	24.50					8
9	NEW YORK	1,032.15	29.96					9
10	PENNSYLVANIA	6,097.21	208.62					10
11	**TOTALS**	**7,372.36**	**263.08**					**11**
	EAST NORTH CENTRAL							
12	ILLINOIS	3,504.22	33.50					12
13	INDIANA	3,246.65	318.20					13
14	MICHIGAN	2,545.69	239.20					14
15	OHIO	7,603.15	306.70					15
16	WISCONSIN	1,106.05	68.67					16
17	**TOTALS**	**18,005.76**	**966.27**					**17**
	WEST NORTH CENTRAL							
18	IOWA	472.31	29.20					18
19	KANSAS	575.63	5.00					19
20	MINNESOTA	698.97	92.00					20
21	MISSOURI	1,988.30	150.90					21
22	NEBRASKA	108.86						22
23	NORTH DAKOTA	362.40	12.20					23
24	SOUTH DAKOTA	115.34	4.00					24
25	**TOTALS**	**4,321.81**	**293.30**					**25**
	SOUTH ATLANTIC							
26	DELAWARE	109.15	.05					26
27	DISTRICT OF COLUMBIA	18.00	2.00					27
28	FLORIDA	627.81	205.14					28
29	GEORGIA	1,506.10	100.62					29
30	MARYLAND	424.20	7.20					30
31	NORTH CAROLINA	2,409.31	86.47					31
32	SOUTH CAROLINA	494.20	20.67					32
33	VIRGINIA	580.84	36.11					33
34	WEST VIRGINIA	4,143.87	427.80					34
35	**TOTALS**	**10,313.48**	**886.06**					**35**
	EAST SOUTH CENTRAL							
36	ALABAMA	2,161.89	22.40					36
37	KENTUCKY	3,325.59	890.90					37
38	MISSISSIPPI	133.90						38
39	TENNESSEE	2,891.60	133.20					39
40	**TOTALS**	**8,512.98**	**1,046.50**					**40**
	WEST SOUTH CENTRAL							
41	ARKANSAS							41
42	LOUISIANA							42
43	OKLAHOMA							43
44	TEXAS	1,208.00	61.90					44
45	**TOTALS**	**1,208.00**	**61.90**					**45**
	MOUNTAIN							
46	ARIZONA	344.00	4.99					46
47	COLORADO	528.03	15.60					47
48	IDAHO							48
49	MONTANA	74.70	5.30					49
50	NEVADA	407.57	27.05					50
51	NEW MEXICO	1,634.20	6.00					51
52	UTAH	137.35						52
53	WYOMING	1,004.30	20.30					53
54	**TOTALS**	**4,130.15**	**79.24**					**54**
	PACIFIC							
55	CALIFORNIA	2.01						55
56	OREGON							56
57	WASHINGTON	578.50						57
58	**TOTALS**	**580.51**						**58**
	NON-CONTIGUOUS U.S.							
59	ALASKA	9.60						59
60	HAWAII	.35						60
61	PUERTO RICO	.74	.74					61
62	VIRGIN ISLANDS							62
63	**TOTALS**	**10.69**	**.74**					**63**
64	**U.S. TOTALS**	**54,642.65**	**3,662.12**					**64**

TABLE 3.8

ASH AND SULFUR COLLECTION AND DISPOSAL, BY AIR QUALITY CONTROL REGION, 1975

AQCR NO	AIR QUALITY CONTROL REGION	TOTAL ASH		TOTAL ELEMENTAL SULFUR		TOTAL SULFUR EQUIVALENT OF ACID		AQCR NO
		COLLECTED (1,000 TONS)	SOLD (1,000 TONS)	COLLECTED (1,000 TONS)	SOLD (1,000 TONS)	COLLECTED (1,000 TONS)	SOLD (1,000 TONS)	
1	ALABAMA AND TOMBIGBEE RIVERS	9.00						1
2	COLUMBUS-PHENIX CITY							2
3	EAST ALABAMA	23.40						3
4	METROPOLITAN BIRMINGHAM	999.20	21.00					4
5	MOBILE-PENSAC.-PAN. CITY-SO MISS	698.20						5
6	SOUTHEAST ALABAMA	2.09						6
7	TENN. RIV. VALLEY-CUMBERLAND MTS	804.30	1.40					7
8	COOK INLET							8
9	NORTHERN ALASKA	9.60						9
10	SOUTH CENTRAL ALASKA							10
11	SOUTHEASTERN ALASKA							11
12	ARIZONA-NEW MEX. SOUTHERN BORDER							12
13	CLARK-MOHAVE	407.57	27.05					13
14	FOUR CORNERS	1,988.73	10.99					14
15	PHOENIX-TUCSON							15
16	CENTRAL ARKANSAS							16
17	METROPOLITAN FORT SMITH							17
18	METROPOLITAN MEMPHIS	198.40	63.80					18
19	MONROE-EL DORADO							19
20	NORTHEAST ARKANSAS							20
21	NORTHWEST ARKANSAS							21
22	SHREVEPORT-TEXARKANA-TYLER	661.00						22
23	GREAT BASIN VALLEY							23
24	METROPOLITAN LOS ANGELES	2.01						24
25	NORTH CENTRAL COAST							25
26	NORTH COAST							26
27	NORTHEAST PLATEAU							27
28	SACRAMENTO VALLEY							28
29	SAN DIEGO							29
30	SAN FRANCISCO BAY AREA							30
31	SAN JOAQUIN VALLEY							31
32	SOUTH CENTRAL COAST							32
33	SOUTHEAST DESERT							33
34	COMANCHE							34
35	GRAND MESA	47.98						35
36	METROPOLITAN DENVER	257.63						36
37	PAWNEE							37
38	SAN ISABEL	154.22	15.60					38
39	SAN LUIS							39
40	YAMPA	68.20						40
41	EASTERN CONNECTICUT							41
42	HARTFORD-NEW HAVEN-SPRINGFIELD	.96						42
43	NEW JERSEY-NEW YORK-CONNECTICUT	63.55	3.30					43
44	NORTHWESTERN CONNECTICUT							44
45	METROPOLITAN PHILADELPHIA	299.61	44.05					45
46	SOUTHERN DELAWARE	109.00						46
47	NATIONAL CAPITAL	416.72	15.80					47
48	CENTRAL FLORIDA	.43	.32					48
49	JACKSONVILLE-BRUNSWICK	.60	.60					49
50	SOUTHEAST FLORIDA	.47	.11					50
51	SOUTHWEST FLORIDA							51
52	WEST CENTRAL FLORIDA	382.81	204.11					52
53	AUGUSTA-AIKEN	35.51	5.61					53
54	CENTRAL GEORGIA	364.30	16.10					54
55	CHATTANOOGA	633.79	38.98					55
56	METROPOLITAN ATLANTA	458.01	45.54					56
57	NORTHEAST GEORGIA							57
58	SAVANNAH-BEAUFORT	31.82						58
59	SOUTHWEST GEORGIA	49.10						59
60	HAWAII (ENTIRE STATE)	.35						60
61	EASTERN IDAHO							61
62	EASTERN WASH.-NORTHERN IDAHO							62
63	IDAHO							63
64	METROPOLITAN BOISE							64
65	BURLINGTON-KEOKUK	527.20	10.80					65
66	EAST CENTRAL	56.70						66
67	METROPOLITAN CHICAGO	1,163.04	109.70					67
68	METROPOLITAN DUBUQUE	85.70						68
69	METROPOLITAN QUAD CITIES	129.60	5.90					69
70	METROPOLITAN ST. LOUIS	1,654.90	77.60					70
71	NORTH CENTRAL ILLINOIS	101.02						71
72	PADUCAH-CAIRO	1,983.02	848.60					72
73	ROCKFORD-JANESVILLE-BELOIT	40.09	26.40					73
74	SOUTHEAST ILLINOIS	167.18						74
75	WEST CENTRAL ILLINOIS	1,111.10						75
76	EAST CENTRAL INDIANA	17.70	8.70					76
77	EVANSVILLE-OWENSBORO-HENDERSON	1,296.41	7.20					77
78	LOUISVILLE	543.80	37.00					78
79	METROPOLITAN CINCINNATI	1,049.90	33.50					79
80	METROPOLITAN INDIANAPOLIS	275.40	35.00					80
81	NORTHEAST INDIANA							81
82	SOUTH BEND-ELKHART-BENTON HARBOR	170.50	111.70					82
83	SOUTHERN INDIANA	508.00	25.00					83
84	WABASH VALLEY	649.75	9.60					84

TABLE 3B

(Contd) - ASH AND SULFUR COLLECTION AND DISPOSAL, BY AIR QUALITY CONTROL REGION, 1975

AQCR NO	AIR QUALITY CONTROL REGION	TOTAL ASH		TOTAL ELEMENTAL SULFUR		TOTAL SULFUR EQUIVALENT OF ACID		AQCR NO
		COLLECTED (1,000 TONS)	SOLD (1,000 TONS)	COLLECTED (1,000 TONS)	SOLD (1,000 TONS)	COLLECTED (1,000 TONS)	SOLD (1,000 TONS)	
85	METROPOL. OMAHA-COUNCIL BLUFFS	118.01						85
86	METROPOLITAN SIOUX CITY	124.70	20.40					86
87	METROPOLITAN SIOUX FALLS	3.50						87
88	NORTHEAST IOWA	75.31						88
89	NORTH CENTRAL IOWA	6.53						89
90	NORTHWEST IOWA	4.90						90
91	SOUTHEAST IOWA							91
92	SOUTH CENTRAL IOWA	52.07	2.90					92
93	SOUTHWEST IOWA							93
94	METROPOLITAN KANSAS CITY	407.21	11.00					94
95	NORTHEAST KANSAS	127.50						95
96	NORTH CENTRAL KANSAS							96
97	NORTHWEST KANSAS							97
98	SOUTHEAST KANSAS	387.23	5.00					98
99	SOUTH CENTRAL KANSAS							99
100	SOUTHWEST KANSAS							100
101	APPALACHIAN	3.50						101
102	BLUEGRASS	240.86						102
103	HUNTINGTON-ASHL.-PORTSM.-IRONTON	2,820.00	6.30					103
104	NORTH CENTRAL KENTUCKY							104
105	SOUTH CENTRAL KENTUCKY	85.70						105
106	SOUTHERN LOUISIANA-SE TEXAS							106
107	ANDROSCOGGIN VALLEY	.03						107
108	AROOSTOOK							108
109	DOWN EAST							109
110	METROPOLITAN PORTLAND	.30	.10					110
111	NORTHWEST MAINE							111
112	CENTRAL MARYLAND							112
113	CUMBERLAND-KEYSER	605.97	1.40					113
114	EASTERN SHORE							114
115	METROPOLITAN BALTIMORE	73.40						115
116	SOUTHERN MARYLAND							116
117	BERKSHIRE							117
118	CENTRAL MASSACHUSETTS							118
119	METROPOLITAN BOSTON	13.06						119
120	METROPOLITAN PROVIDENCE	81.52	.90					120
121	MERRIMACK VALLEY-SOUTHERN N.H.	87.79	64.03					121
122	CENTRAL MICHIGAN	649.20	130.50					122
123	METROPOLITAN DETROIT-PORT HURON	709.79	83.80					123
124	METROPOLITAN TOLEDO	1,208.90	14.10					124
125	SOUTH CENTRAL MICHIGAN	144.50	10.80					125
126	UPPER MICHIGAN	138.90						126
127	CENTRAL MINNESOTA							127
128	SOUTHEAST MINNESOTA-LA CROSSE	186.47	4.30					128
129	DULUTH-SUPERIOR	215.10						129
130	METROPOLITAN FARGO-MOORHEAD							130
131	MINNEAPOLIS-ST. PAUL	414.70	80.00					131
132	NORTHWEST MINNESOTA	46.50	12.00					132
133	SOUTHWEST MINNESOTA	12.70						133
134	MISSISSIPPI DELTA	3.10						134
135	NORTHEAST MISSISSIPPI							135
136	NORTHERN PIEDMONT	53.40						136
137	NORTHERN MISSOURI	13.67						137
138	SOUTHEAST MISSOURI							138
139	SOUTHWEST MISSOURI	563.70	83.10					139
140	BILLINGS	50.40	3.50					140
141	GREAT FALLS							141
142	HELENA							142
143	MILES CITY	24.30	1.80					143
144	MISSOULA							144
145	LINCOLN-BEATRICE-FAIRBURY	17.28						145
146	NEBRASKA	.97						146
147	NEVADA							147
148	NORTHWEST NEVADA							148
149	NEW HAMPSHIRE							149
150	NEW JERSEY	83.20	9.00					150
151	NE PENN.-UPPER DELAWARE VALLEY	261.35	26.72					151
152	ALBUQUERQUE-MID RIO GRANDE							152
153	EL PASO-LAS CRUCES-ALAMOGORDO							153
154	NORTHEASTERN PLAINS							154
155	PECOS-PERMIAN BASIN							155
156	SOUTHWESTERN MTS-AUGUSTINE PLAIN							156
157	UPPER RIO GRANDE VALLEY							157
158	CENTRAL NEW YORK	.40	.20					158
159	CHAMPLAIN VALLEY							159
160	GENESEE-FINGER LAKES	196.70	21.50					160
161	HUDSON VALLEY	1.05	.96					161
162	NIAGARA FRONTIER	201.20	4.00					162
163	SOUTHERN TIER EAST	109.70						163
164	SOUTHERN TIER WEST	519.80						164
165	EASTERN MOUNTAIN	860.49	69.07					165
166	EASTERN PIEDMONT	813.14						166
167	METROPOLITAN CHARLOTTE	395.90	17.40					167
168	NORTHERN COASTAL PLAIN							168

TABLE 3-B

(Contd) - ASH AND SULFUR COLLECTION AND DISPOSAL, BY AIR QUALITY CONTROL REGION, 1975

AQCR NO	AIR QUALITY CONTROL REGION	TOTAL ASH		TOTAL ELEMENTAL SULFUR		TOTAL SULFUR EQUIVALENT OF ACID		AQCR NO
		COLLECTED (1,000 TONS)	SOLD (1,000 TONS)	COLLECTED (1,000 TONS)	SOLD (1,000 TONS)	COLLECTED (1,000 TONS)	SOLD (1,000 TONS)	
169	SANDHILLS	25.92						169
170	SOUTHERN COASTAL PLAIN	143.56						170
171	WESTERN MOUNTAIN	116.90						171
172	NORTH DAKOTA	362.40	12.20					172
173	DAYTON	176.90						173
174	GREATER METROPOLITAN CLEVELAND	1,093.10	5.40					174
175	MANSFIELD-MARION							175
176	METROPOLITAN COLUMBUS	25.85						176
177	NORTHWEST OHIO							177
178	NORTHWEST PENN.-YOUNGSTOWN	755.10	60.70					178
179	PARKERSBURG-MARIETTA	716.20	127.90					179
180	SANDUSKY	2.00						180
181	STEUBENVILLE-WEIRTON-WHEELING	2,268.60	324.40					181
182	WILMINGTON-CHILLICOTHE-LOGAN							182
183	ZANESVILLE-CAMBRIDGE	464.20						183
184	CENTRAL OKLAHOMA							184
185	NORTH CENTRAL OKLAHOMA							185
186	NORTHEASTERN OKLAHOMA							186
187	NORTHWESTERN OKLAHOMA							187
188	SOUTHEASTERN OKLAHOMA							188
189	SOUTHWESTERN OKLAHOMA							189
190	CENTRAL OREGON							190
191	EASTERN OREGON							191
192	NORTHWEST OREGON							192
193	PORTLAND	578.50						193
194	SOUTHWEST OREGON							194
195	CENTRAL PENNSYLVANIA	1,067.60						195
196	SOUTH CENTRAL PENNSYLVANIA	631.00						196
197	SOUTHWEST PENNSYLVANIA	3,558.90	152.40					197
198	CAMDEN-SUMTER							198
199	CHARLESTON	82.02	15.06					199
200	COLUMBIA	155.32						200
201	FLORENCE	31.03						201
202	GREENVILLE-SPARTANBURG	53.00						202
203	GREENWOOD							203
204	GEORGETOWN	106.40						204
205	BLACK HILLS-RAPID CITY	10.64						205
206	SOUTH DAKOTA	101.20	4.00					206
207	EASTERN TENN.-SOUTHWESTERN VA.	1,732.60	61.50					207
208	MIDDLE TENNESSEE	1,272.90	20.40					208
209	WESTERN TENNESSEE							209
210	ABILENE-WICHITA FALLS							210
211	AMARILLO-LUBBOCK							211
212	AUSTIN-WACO	547.00	61.90					212
213	BROWNSVILLE-LAREDO							213
214	CORPUS CHRISTI-VICTORIA							214
215	METROPOLITAN DALLAS-FORT WORTH							215
216	METROPOLITAN HOUSTON-GALVESTON							216
217	METROPOLITAN SAN ANTONIO							217
218	MIDLAND-ODESSA-SAN ANGELO							218
219	UTAH	57.65						219
220	WASATCH FRONT	69.17						220
221	VERMONT							221
222	CENTRAL VIRGINIA	3.10						222
223	HAMPTON ROADS	3.40	.01					223
224	NORTHEASTERN VIRGINIA	54.37						224
225	STATE CAPITAL	36.95	.30					225
226	VALLEY OF VIRGINIA	87.50	15.30					226
227	NORTHERN WASHINGTON							227
228	OLYMPIA-NORTHWEST WASHINGTON							228
229	PUGET SOUND							229
230	SOUTH CENTRAL WASHINGTON							230
231	ALLEGHENY							231
232	CENTRAL WEST VIRGINIA							232
233	EASTERN PANHANDLE							233
234	KANAWHA VALLEY	1,187.10	157.20					234
235	NORTH CENTRAL WEST VIRGINIA	1,317.90	38.60					235
236	SOUTHERN WEST VIRGINIA							236
237	LAKE MICHIGAN	277.11	23.10					237
238	NORTH CENTRAL WISCONSIN	36.15	1.60					238
239	SOUTHEASTERN WISCONSIN	424.10	4.27					239
240	SOUTHERN WISCONSIN	81.10	9.00					240
241	CASPER	417.40	20.30					241
242	METROPOLITAN CHEYENNE							242
243	WYOMING	586.90						243
244	PUERTO RICO	.74	.74					244
245	AMERICAN SAMOA							245
246	GUAM							246
247	U. S. VIRGIN ISLANDS							247
	U.S. TOTALS	54,642.65	3,662.12					

TABLE 4-A

AIR QUALITY CONTROL EXPENSES, BY REGION AND STATE, 1975

LINE NO	GEOGRAPHIC REGION AND STATE	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)	ASH COLLECTION AND DISPOSAL		SULFUR PRODUCTS COLLECTION AND DISPOSAL		LINE NO
			EXPENSES ($1,000)	REVENUES ($1,000)	EXPENSES ($1,000)	REVENUES ($1,000)	
	NEW ENGLAND						
1	CONNECTICUT	726.40	252.82				1
2	MAINE			7.50			2
3	MASSACHUSETTS	3,617.24	2,577.70	38.20			3
4	NEW HAMPSHIRE	278.50	199.60	95.00			4
5	RHODE ISLAND	68.00	13.00				5
6	VERMONT						6
7	**TOTALS**	**4,690.14**	**3,043.12**	**140.70**			**7**
	MIDDLE ATLANTIC						
8	NEW JERSEY	1,282.00	1,282.00	10.50			8
9	NEW YORK	4,178.80	3,465.10	1,592.30			9
10	PENNSYLVANIA	31,940.12	19,568.22	168.80	1,059.60		10
11	**TOTALS**	**37,400.92**	**24,315.32**	**1,771.60**	**1,059.60**		**11**
	EAST NORTH CENTRAL						
12	ILLINOIS	16,578.98	13,333.15	35.20	819.30	.30	12
13	INDIANA	16,610.70	6,215.10	120.20			13
14	MICHIGAN	7,772.76	3,574.75	320.50			14
15	OHIO	18,545.25	17,796.45	146.00			15
16	WISCONSIN	4,770.64	4,529.78	49.14			16
17	**TOTALS**	**64,278.33**	**45,449.23**	**671.04**	**819.30**	**.30**	**17**
	WEST NORTH CENTRAL						
18	IOWA	1,369.77	1,341.77	12.70			18
19	KANSAS	3,387.86	1,275.86	4.00	1,646.00		19
20	MINNESOTA	2,944.20	2,038.20	162.35			20
21	MISSOURI	5,370.40	4,840.10	171.40	318.00		21
22	NEBRASKA	152.90	152.90				22
23	NORTH DAKOTA	423.67	423.67	36.20			23
24	SOUTH DAKOTA	117.04	117.04	19.52			24
25	**TOTALS**	**13,765.84**	**10,189.54**	**406.17**	**1,964.00**		**25**
	SOUTH ATLANTIC						
26	DELAWARE	92.52	88.05	31.10			26
27	DISTRICT OF COLUMBIA	93.70	75.90	2.00			27
28	FLORIDA	2,669.95	2,000.35	873.75			28
29	GEORGIA	5,435.84	5,404.84	24.35			29
30	MARYLAND	2,800.50	2,504.60	14.05	295.90		30
31	NORTH CAROLINA	3,324.11	2,389.35	18.85			31
32	SOUTH CAROLINA	845.93	844.93	80.79			32
33	VIRGINIA	3,055.90	2,969.30	127.31			33
34	WEST VIRGINIA	7,367.50	7,124.00	286.55			34
35	**TOTALS**	**25,685.95**	**23,401.32**	**1,458.75**	**295.90**		**35**
	EAST SOUTH CENTRAL						
36	ALABAMA	7,806.40	5,518.13	5.10			36
37	KENTUCKY	5,558.63	5,323.34	88.70	160.68	1.00	37
38	MISSISSIPPI	351.22	344.70				38
39	TENNESSEE	5,325.00	5,325.00	154.50			39
40	**TOTALS**	**19,041.25**	**16,511.17**	**248.30**	**160.68**	**1.00**	**40**
	WEST SOUTH CENTRAL						
41	ARKANSAS						41
42	LOUISIANA						42
43	OKLAHOMA						43
44	TEXAS	31.20		75.70			44
45	**TOTALS**	**31.20**		**75.70**			**45**
	MOUNTAIN						
46	ARIZONA	2,321.00	2,202.00	1.60			46
47	COLORADO	3,652.52	2,825.04	9.54	44.29		47
48	IDAHO						48
49	MONTANA	3,744.60	136.90	17.00			49
50	NEVADA	1,450.04	407.57	142.39			50
51	NEW MEXICO	7,215.50	6,750.40	3.00			51
52	UTAH	400.28	400.28				52
53	WYOMING	1,528.35	1,089.35	62.30			53
54	**TOTALS**	**20,312.29**	**13,811.54**	**235.83**	**44.29**		**54**
	PACIFIC						
55	CALIFORNIA	477.99	62.00				55
56	OREGON						56
57	WASHINGTON	1,149.40	1,066.00				57
58	**TOTALS**	**1,627.39**	**1,128.00**				**58**
	NON-CONTIGUOUS U.S.						
59	ALASKA	44.00	43.00				59
60	HAWAII	30.20	30.20				60
61	PUERTO RICO	237.59					61
62	VIRGIN ISLANDS						62
63	**TOTALS**	**311.79**	**73.20**				**63**
64	**U.S. TOTALS**	**187,145.10**	**137,922.44**	**5,008.09**	**4,343.77**	**1.30**	**64**

TABLE 4-B

AIR QUALITY CONTROL EXPENSES, BY AIR QUALITY CONTROL REGION, 1975

AQCR NO	AIR QUALITY CONTROL REGION	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)	ASH COLLECTION AND DISPOSAL		SULFUR PRODUCTS COLLECTION AND DISPOSAL		AQCR NO
			EXPENSES ($1,000)	REVENUES ($1,000)	EXPENSES ($1,000)	REVENUES ($1,000)	
1	ALABAMA AND TOMBIGBEE RIVERS	5.71	5.72				1
2	COLUMBUS-PHENIX CITY						2
3	EAST ALABAMA	219.10	96.50				3
4	METROPOLITAN BIRMINGHAM	3,946.20	2,512.90	2.10			4
5	MOBILE-PENSAC.-PAN. CITY-SO MISS	3,839.60	2,506.70				5
6	SOUTHEAST ALABAMA	11.69	1.91				6
7	TENN. RIV. VALLEY-CUMBERLAND MTS	1,702.00	1,702.00	3.00			7
8	COOK INLET						8
9	NORTHERN ALASKA	44.00	43.00				9
10	SOUTH CENTRAL ALASKA						10
11	SOUTHEASTERN ALASKA						11
12	ARIZONA-NEW MEX. SOUTHERN BORDER						12
13	CLARK-MOHAVE	1,450.04	407.57	142.39			13
14	FOUR CORNERS	9,671.37	9,118.37	4.60			14
15	PHOENIX-TUCSON						15
16	CENTRAL ARKANSAS						16
17	METROPOLITAN FORT SMITH						17
18	METROPOLITAN MEMPHIS	634.00	634.00	26.00			18
19	MONROE-EL DORADO						19
20	NORTHEAST ARKANSAS						20
21	NORTHWEST ARKANSAS						21
22	SHREVEPORT-TEXARKANA-TYLER						22
23	GREAT BASIN VALLEY						23
24	METROPOLITAN LOS ANGELES	467.69	62.00				24
25	NORTH CENTRAL COAST						25
26	NORTH COAST						26
27	NORTHEAST PLATEAU						27
28	SACRAMENTO VALLEY						28
29	SAN DIEGO	4.30					29
30	SAN FRANCISCO BAY AREA						30
31	SAN JOAQUIN VALLEY						31
32	SOUTH CENTRAL COAST						32
33	SOUTHEAST DESERT	6.00					33
34	COMANCHE						34
35	GRAND MESA	200.39	200.39				35
36	METROPOLITAN DENVER	2,798.22	1,970.74	9.54	44.29		36
37	PAWNEE						37
38	SAN ISABEL	598.91	598.91				38
39	SAN LUIS						39
40	YAMPA	55.00	55.00				40
41	EASTERN CONNECTICUT	23.60					41
42	HARTFORD-NEW HAVEN-SPRINGFIELD	550.24	185.22				42
43	NEW JERSEY-NEW YORK-CONNECTICUT	1,266.70	741.70	1,037.00			43
44	NORTHWESTERN CONNECTICUT						44
45	METROPOLITAN PHILADELPHIA	3,513.92	3,092.05	49.10	387.00		45
46	SOUTHERN DELAWARE	83.00	83.00				46
47	NATIONAL CAPITAL	2,198.70	1,853.00	21.60	295.90		47
48	CENTRAL FLORIDA	85.10	59.10	9.60			48
49	JACKSONVILLE-BRUNSWICK	36.40	36.40	111.45			49
50	SOUTHEAST FLORIDA	206.35	193.25	10.00			50
51	SOUTHWEST FLORIDA	44.80	44.80	3.30			51
52	WEST CENTRAL FLORIDA	709.40	689.20	739.40			52
53	AUGUSTA-AIKEN	22.28	22.28	5.61			53
54	CENTRAL GEORGIA	972.00	972.00	1.60			54
55	CHATTANOOGA	1,392.84	1,380.84	9.75			55
56	METROPOLITAN ATLANTA	2,760.00	2,749.00	13.00			56
57	NORTHEAST GEORGIA						57
58	SAVANNAH-BEAUFORT	102.50	98.50				58
59	SOUTHWEST GEORGIA	248.00	243.00				59
60	HAWAII (ENTIRE STATE)	30.20	30.20				60
61	EASTERN IDAHO						61
62	EASTERN WASH.-NORTHERN IDAHO						62
63	IDAHO						63
64	METROPOLITAN BOISE						64
65	BURLINGTON-KEOKUK	1,570.50	1,570.50	17.90			65
66	EAST CENTRAL	68.70	68.70				66
67	METROPOLITAN CHICAGO	13,881.35	8,571.75	16.40	714.00		67
68	METROPOLITAN DUBUQUE	252.17	162.01				68
69	METROPOLITAN QUAD CITIES	347.10	324.10	8.90			69
70	METROPOLITAN ST. LOUIS	2,412.60	2,272.00	94.90	105.30	.30	70
71	NORTH CENTRAL ILLINOIS	308.10	308.10				71
72	PADUCAH-CAIRO	3,403.94	3,236.74	32.40	44.68		72
73	ROCKFORD-JANESVILLE-BELOIT	110.96	110.96	9.30			73
74	SOUTHEAST ILLINOIS	2,487.13	152.90				74
75	WEST CENTRAL ILLINOIS	3,953.60	3,933.20				75
76	EAST CENTRAL INDIANA	22.10	22.10	4.30			76
77	EVANSVILLE-OWENSBORO-HENDERSON	1,415.93	1,405.73	9.00			77
78	LOUISVILLE	888.60	772.60	47.70	116.00		78
79	METROPOLITAN CINCINNATI	1,809.50	1,290.50	14.50			79
80	METROPOLITAN INDIANAPOLIS	601.50	552.80	57.60			80
81	NORTHEAST INDIANA						81
82	SOUTH BEND-ELKHART-BENTON HARBOR	5,452.00	159.70	22.60			82
83	SOUTHERN INDIANA	1,663.00	1,422.00	5.00			83
84	WABASH VALLEY	823.00	612.20	5.00			84

TABLE 4-B

(Contd) - AIR QUALITY CONTROL EXPENSES, BY AIR QUALITY CONTROL REGION, 1975

AQCR No.	AIR QUALITY CONTROL REGION	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)	ASH COLLECTION AND DISPOSAL		SULFUR PRODUCTS COLLECTION AND DISPOSAL		AQCR No.
			EXPENSES ($1,000)	REVENUES ($1,000)	EXPENSES ($1,000)	REVENUES ($1,000)	
85	METROPOL. OMAHA-COUNCIL BLUFFS	208.00	208.00				85
86	METROPOLITAN SIOUX CITY	284.80	284.80	2.60			86
87	METROPOLITAN SIOUX FALLS	12.80	12.80				87
88	NORTHEAST IOWA	230.20	225.20				88
89	NORTH CENTRAL IOWA	2.47	2.47				89
90	NORTHWEST IOWA	11.20	11.20				90
91	SOUTHEAST IOWA						91
92	SOUTH CENTRAL IOWA	250.30	250.30	1.20			92
93	SOUTHWEST IOWA						93
94	METROPOLITAN KANSAS CITY	2,293.60	1,783.60	10.50	313.00		94
95	NORTHEAST KANSAS	771.60	275.60		496.00		95
96	NORTH CENTRAL KANSAS						96
97	NORTHWEST KANSAS						97
98	SOUTHEAST KANSAS	2,555.36	939.36	4.00	1,150.00		98
99	SOUTH CENTRAL KANSAS						99
100	SOUTHWEST KANSAS						100
101	APPALACHIAN	.52	.52				101
102	BLUEGRASS	346.28	346.28	1.00		1.00	102
103	HUNTINGTON-ASHL.-PORTSM.-IRONTON.	4,727.70	4,393.70	3.12			103
104	NORTH CENTRAL KENTUCKY						104
105	SOUTH CENTRAL KENTUCKY	95.86	95.87				105
106	SOUTHERN LOUISIANA-SE TEXAS						106
107	ANDROSCOGGIN VALLEY						107
108	AROOSTOOK						108
109	DOWN EAST						109
110	METROPOLITAN PORTLAND			7.50			110
111	NORTHWEST MAINE						111
112	CENTRAL MARYLAND						112
113	CUMBERLAND-KEYSER	1,871.30	1,842.30	1.30			113
114	EASTERN SHORE						114
115	METROPOLITAN BALTIMORE	486.90	486.90				115
116	SOUTHERN MARYLAND	640.50	640.50	.05			116
117	BERKSHIRE						117
118	CENTRAL MASSACHUSETTS						118
119	METROPOLITAN BOSTON	591.30	564.30				119
120	METROPOLITAN PROVIDENCE	2,976.30	1,987.30	36.20			120
121	MERRIMACK VALLEY-SOUTHERN N.H.	274.50	199.60	95.00			121
122	CENTRAL MICHIGAN	1,787.60	1,579.90	80.70			122
123	METROPOLITAN DETROIT-PORT HURON	3,240.71	1,325.90	228.00			123
124	METROPOLITAN TOLEDO	2,403.90	1,014.10	.80			124
125	SOUTH CENTRAL MICHIGAN	413.15	289.15	11.00			125
126	UPPER MICHIGAN	162.30	144.20				126
127	CENTRAL MINNESOTA						127
128	SOUTHEAST MINNESOTA-LA CRUSSE	459.96	409.26	4.00			128
129	DULUTH-SUPERIOR	1,170.00	229.70				129
130	METROPOLITAN FARGO-MOORHEAD	2.00	2.00				130
131	MINNEAPOLIS-ST. PAUL	1,681.70	1,616.00	116.20			131
132	NORTHWEST MINNESOTA	119.14	119.14	46.15			132
133	SOUTHWEST MINNESOTA	63.60	63.60				133
134	MISSISSIPPI DELTA	35.22	28.70				134
135	NORTHEAST MISSISSIPPI						135
136	NORTHERN PIEDMONT	23.00	23.00				136
137	NORTHERN MISSOURI	11.80	11.80				137
138	SOUTHEAST MISSOURI						138
139	SOUTHWEST MISSOURI	1,759.50	1,198.90	81.90	5.00		139
140	BILLINGS	103.40	100.80	15.20			140
141	GREAT FALLS						141
142	HELENA						142
143	MILES CITY	3,641.20	36.10	1.80			143
144	MISSOULA						144
145	LINCOLN-BEATRICE-FAIRBURY	23.50	23.50				145
146	NEBRASKA	15.00	15.00				146
147	NEVADA						147
148	NORTHWEST NEVADA						148
149	NEW HAMPSHIRE						149
150	NEW JERSEY	11.00	11.00	2.50			150
151	NE PENN.-UPPER DELAWARE VALLEY	2,216.52	2,216.52	9.40			151
152	ALBUQUERQUE-MID RIO GRANDE	31.10					152
153	EL PASO-LAS CRUCES-ALAMOGORDO						153
154	NORTHEASTERN PLAINS						154
155	PECOS-PERMIAN BASIN						155
156	SOUTHWESTERN MTS-AUGUSTINE PLAIN						156
157	UPPER RIO GRANDE VALLEY						157
158	CENTRAL NEW YORK			42.15			158
159	CHAMPLAIN VALLEY						159
160	GENESEE-FINGER LAKES	502.10	502.10	20.20			160
161	HUDSON VALLEY	683.00	333.00	492.80			161
162	NIAGARA FRONTIER	305.80	305.80	.15			162
163	SOUTHERN TIER EAST	705.90	705.90				163
164	SOUTHERN TIER WEST	1,618.30	1,618.30				164
165	EASTERN MOUNTAIN	470.40	461.23	16.35			165
166	EASTERN PIEDMONT	994.26	991.03				166
167	METROPOLITAN CHARLOTTE	286.60	230.30	2.50			167
168	NORTHERN COASTAL PLAIN						168

TABLE 4-B

(Contd) - AIR QUALITY CONTROL EXPENSES, BY AIR QUALITY CONTROL REGION, 1975

AQCR NO	AIR QUALITY CONTRUL REGION	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)	ASH COLLECTION AND DISPOSAL		SULFUR PRODUCTS COLLECTION AND DISPOSAL		AQCR NO
			EXPENSES ($1,000)	REVENUES ($1,000)	EXPENSES ($1,000)	REVENUES ($1,000)	
169	SANDHILLS	29.20	29.20				169
170	SOUTHERN COASTAL PLAIN	1,267.52	401.52				170
171	WESTERN MOUNTAIN	253.07	253.07				171
172	NORTH DAKOTA	423.67	423.67	36.20			172
173	DAYTON	650.50	649.40				173
174	GREATER METROPOLITAN CLEVELAND	4,690.60	5,220.90	3.90			174
175	MANSFIELD-MARION						175
176	METROPOLITAN COLUMBUS	33.05	33.05				176
177	NORTHWEST OHIO						177
178	NORTHWEST PENN.-YOUNGSTOWN	2,310.80	2,114.70	20.40			178
179	PARKERSBURG-MARIETTA	1,363.40	1,149.50	84.40			179
180	SANDUSKY	18.90	18.40				180
181	STEUBENVILLE-WEIRTON-WHEELING	6,111.40	5,888.60	179.50			181
182	WILMINGTON-CHILLICOTHE-LOGAN						182
183	ZANESVILLE-CAMBRIDGE	599.30	599.30				183
184	CENTRAL OKLAHOMA						184
185	NORTH CENTRAL OKLAHOMA						185
186	NORTHEASTERN OKLAHOMA						186
187	NORTHWESTERN OKLAHOMA						187
188	SOUTHEASTERN OKLAHOMA						188
189	SOUTHWESTERN OKLAHOMA						189
190	CENTRAL OREGON						190
191	EASTERN OREGON						191
192	NORTHWEST OREGON						192
193	PORTLAND	1,149.40	1,066.00				193
194	SOUTHWEST OREGON						194
195	CENTRAL PENNSYLVANIA	1,176.70	1,174.80				195
196	SOUTH CENTRAL PENNSYLVANIA	1,127.20	1,127.20				196
197	SOUTHWEST PENNSYLVANIA	23,282.10	11,522.60	147.00	672.60		197
198	CAMDEN-SUMTER						198
199	CHARLESTON	100.55	100.55	53.20			199
200	COLUMBIA	312.10	312.10	21.98			200
201	FLORENCE	100.30	100.30				201
202	GREENVILLE-SPARTANBURG	31.00	31.00				202
203	GREENWOOD						203
204	GEORGETOWN	226.20	226.20				204
205	BLACK HILLS-RAPID CITY	30.50	30.50				205
206	SOUTH DAKOTA	73.74	73.74	19.52			206
207	EASTERN TENN.-SOUTHWESTERN VA.	2,880.60	2,880.60	116.47			207
208	MIDDLE TENNESSEE	2,516.00	2,516.00	21.50			208
209	WESTERN TENNESSEE						209
210	ABILENE-WICHITA FALLS						210
211	AMARILLO-LUBBOCK	31.20					211
212	AUSTIN-WACO			75.70			212
213	BROWNSVILLE-LAREDO						213
214	CORPUS CHRISTI-VICTORIA						214
215	METROPOLITAN DALLAS-FORT WORTH						215
216	METROPOLITAN HOUSTON-GALVESTON						216
217	METROPOLITAN SAN ANTONIO						217
218	MIDLAND-ODESSA-SAN ANGELO						218
219	UTAH	35.09	35.09				219
220	WASATCH FRONT	199.22	199.22				220
221	VERMONT						221
222	CENTRAL VIRGINIA						222
223	HAMPTON ROADS	146.00	119.00	3.00			223
224	NORTHEASTERN VIRGINIA	291.70	291.00				224
225	STATE CAPITAL	525.90	499.00	103.20			225
226	VALLEY OF VIRGINIA	894.50	894.50	3.94			226
227	NORTHERN WASHINGTON						227
228	OLYMPIA-NORTHWEST WASHINGTON						228
229	PUGET SOUND						229
230	SOUTH CENTRAL WASHINGTON						230
231	ALLEGHENY						231
232	CENTRAL WEST VIRGINIA						232
233	EASTERN PANHANDLE						233
234	KANAWHA VALLEY	2,729.10	2,625.60	103.53			234
235	NORTH CENTRAL WEST VIRGINIA	906.20	789.40	34.90			235
236	SOUTHERN WEST VIRGINIA						236
237	LAKE MICHIGAN	534.01	534.01	9.10			237
238	NORTH CENTRAL WISCONSIN	60.50	60.50	1.20			238
239	SOUTHEASTERN WISCONSIN	3,069.80	3,069.80	8.44			239
240	SOUTHERN WISCONSIN	273.70	273.70	16.50			240
241	CASPER	1,103.40	664.40	62.30			241
242	METROPOLITAN CHEYENNE						242
243	WYOMING	424.95	424.95				243
244	PUERTO RICO	237.59					244
245	AMERICAN SAMOA						245
246	GUAM						246
247	U. S. VIRGIN ISLANDS						247
	U.S. TOTALS	**187,145.10**	**137,922.44**	**5,008.09**	**4,343.77**	**1.30**	

TABLE 5 A

INSTALLED COSTS OF AIR POLLUTION CONTROL EQUIPMENT, BY REGION AND STATE, 1975

LINE NO	GEOGRAPHIC REGION AND STATE	INSTALLED COSTS ($1,000) MECHANICAL PRECIPITATORS	ELECTROSTATIC PRECIPITATORS	COMBINED PRECIPITATORS	DESULFURIZATION SYSTEMS	STACKS	LINE NO
	NEW ENGLAND						
1	CONNECTICUT	36.00	8,106.88	834.00		5,461.88	1
2	MAINE	260.70	125.40			691.20	2
3	MASSACHUSETTS	327.80	34,342.40	344.00	3,625.00	10,199.67	3
4	NEW HAMPSHIRE		2,239.00	332.00		1,610.90	4
5	RHODE ISLAND	179.40		256.80		247.30	5
6	VERMONT						6
7	**TOTALS**	**803.90**	**44,813.68**	**1,766.80**	**3,625.00**	**18,210.95**	**7**
	MIDDLE ATLANTIC						
8	NEW JERSEY	1,165.50	12,796.30	4,511.40		6,848.20	8
9	NEW YORK	8,341.35	69,366.32	27,814.40		29,610.41	9
10	PENNSYLVANIA	460.70	58,565.10	29,030.90	33,577.00	27,465.40	10
11	**TOTALS**	**9,967.59**	**140,727.72**	**61,356.70**	**33,577.00**	**63,924.01**	**11**
	EAST NORTH CENTRAL						
12	ILLINOIS	202.90	101,064.41	5,391.34	23,295.70	23,765.76	12
13	INDIANA	1,000.80	53,035.40	8,920.59		22,375.20	13
14	MICHIGAN	346.60	56,396.01	20,163.20		30,561.30	14
15	OHIO	1,490.00	105,815.40	8,346.00		63,938.10	15
16	WISCONSIN	2,835.80	52,055.50	3,220.00		8,736.78	16
17	**TOTALS**	**5,882.10**	**368,366.72**	**46,041.13**	**23,295.70**	**149,377.14**	**17**
	WEST NORTH CENTRAL						
18	IOWA	1,424.90	50,445.20	4,507.00		5,254.06	18
19	KANSAS	535.91	842.00		36,483.00	4,738.59	19
20	MINNESOTA	368.58	15,289.40		12,865.00	14,853.98	20
21	MISSOURI	762.30	27,136.96	852.00	5,388.00	14,350.26	21
22	NEBRASKA	930.70	7,647.00	776.00		954.42	22
23	NORTH DAKOTA	475.30	5,415.20	8,824.60		2,586.12	23
24	SOUTH DAKOTA	64.00	9,159.30			1,857.89	24
25	**TOTALS**	**4,563.69**	**115,935.06**	**14,959.60**	**54,736.00**	**44,595.32**	**25**
	SOUTH ATLANTIC						
26	DELAWARE	253.00	200.00	996.00		1,232.00	26
27	DISTRICT OF COLUMBIA	76.00	116.00	1,831.00		762.00	27
28	FLORIDA	2,414.20	14,858.00	2,800.30	5,660.10	15,457.35	28
29	GEORGIA	161.40	35,411.00			35,841.40	29
30	MARYLAND	2,597.00	11,304.00	3,035.00	6,504.00	11,056.00	30
31	NORTH CAROLINA	202.50	72,823.20	4,287.00		7,780.12	31
32	SOUTH CAROLINA	406.80	12,986.97	884.00		4,235.38	32
33	VIRGINIA	2,562.00	23,918.00	2,809.00		4,466.50	33
34	WEST VIRGINIA	915.00	76,946.00			32,085.00	34
35	**TOTALS**	**9,587.90**	**252,563.17**	**16,642.30**	**12,164.10**	**112,915.75**	**35**
	EAST SOUTH CENTRAL						
36	ALABAMA	2,285.80	24,142.00	9,898.00		10,275.20	36
37	KENTUCKY	313.51	28,352.77	12,165.70	4,171.72	16,818.36	37
38	MISSISSIPPI		2,121.70			2,626.76	38
39	TENNESSEE	447.00	21,004.00	32,390.80		12,335.52	39
40	**TOTALS**	**3,046.31**	**75,620.47**	**54,454.50**	**4,171.72**	**42,055.84**	**40**
	WEST SOUTH CENTRAL						
41	ARKANSAS					894.65	41
42	LOUISIANA					1,674.90	42
43	OKLAHOMA					1,175.80	43
44	TEXAS		7,225.00			7,919.51	44
45	**TOTALS**		**7,225.00**			**11,664.86**	**45**
	MOUNTAIN						
46	ARIZONA	240.80	39,000.00		6,500.00	7,798.70	46
47	COLORADO	2,797.36	29,908.00	4,919.68	26,415.30	2,495.55	47
48	IDAHO						48
49	MONTANA	49.00	1,030.00		13,236.00	594.50	49
50	NEVADA	93.00	4,634.00		10,506.00	1,287.00	50
51	NEW MEXICO		12,529.00		27,942.00	1,945.03	51
52	UTAH	173.88	5,000.00	829.15		2,014.17	52
53	WYOMING	13,832.87	29,434.00	7,000.00		4,928.48	53
54	**TOTALS**	**17,186.91**	**121,535.00**	**12,748.83**	**84,599.30**	**21,063.43**	**54**
	PACIFIC						
55	CALIFORNIA	2,631.00				33,535.26	55
56	OREGON						56
57	WASHINGTON		44,800.00			2,449.00	57
58	**TOTALS**	**2,631.00**	**44,800.00**			**35,984.26**	**58**
	NON-CONTIGUOUS U.S.						
59	ALASKA	28.00				20.40	59
60	HAWAII	53.75				1,412.47	60
61	PUERTO RICO						61
62	VIRGIN ISLANDS						62
63	**TOTALS**	**81.75**				**1,432.87**	**63**
64	**U.S. TOTALS**	**53,751.15**	**1,171,586.82**	**207,969.86**	**216,168.82**	**501,224.43**	**64**

TABLE 5-8

INSTALLED COSTS OF AIR POLLUTION CONTROL EQUIPMENT, BY AIR QUALITY CONTROL REGION, 1975

AQCR NO	AIR QUALITY CONTROL REGION	INSTALLED COSTS ($1,000) MECHANICAL PRECIPITATORS	ELECTROSTATIC PRECIPITATORS	COMBINED PRECIPITATORS	DESULFURIZATION SYSTEMS	STACKS	AQCR NO
1	ALABAMA AND TOMBIGBEE RIVERS	37.00		1,968.00		132.00	1
2	COLUMBUS-PHENIX CITY						2
3	EAST ALABAMA		800.00			11.00	3
4	METROPOLITAN BIRMINGHAM	431.00	15,656.00			5,609.00	4
5	MOBILE-PENSAC.-PAN. CITY-SO MISS	1,224.00	10,141.70	2,800.30	4,860.10	5,601.79	5
6	SOUTHEAST ALABAMA	40.60	1,038.00			52.80	6
7	TENN. RIV. VALLEY-CUMBERLAND MTS	553.20	3,082.00	7,930.00		2,070.40	7
8	COOK INLET						8
9	NORTHERN ALASKA	28.00				20.40	9
10	SOUTH CENTRAL ALASKA						10
11	SOUTHEASTERN ALASKA						11
12	ARIZONA-NEW MEX. SOUTHERN BORDER					44.80	12
13	CLARK-MOHAVE	93.00	4,634.00		10,506.00	1,046.00	13
14	FOUR CORNERS	240.80	56,529.00		34,442.00	10,131.70	14
15	PHOENIX-TUCSON					724.70	15
16	CENTRAL ARKANSAS					245.00	16
17	METROPOLITAN FORT SMITH						17
18	METROPOLITAN MEMPHIS		9,783.00				18
19	MONROE-EL DORADO					172.25	19
20	NORTHEAST ARKANSAS					517.20	20
21	NORTHWEST ARKANSAS					29.00	21
22	SHREVEPORT-TEXARKANA-TYLER		3,774.00			2,723.23	22
23	GREAT BASIN VALLEY						23
24	METROPOLITAN LOS ANGELES	2,631.00				4,876.86	24
25	NORTH CENTRAL COAST					8,060.00	25
26	NORTH COAST					334.00	26
27	NORTHEAST PLATEAU						27
28	SACRAMENTO VALLEY						28
29	SAN DIEGO					486.00	29
30	SAN FRANCISCO BAY AREA					15,605.00	30
31	SAN JOAQUIN VALLEY						31
32	SOUTH CENTRAL COAST					4,108.00	32
33	SOUTHEAST DESERT					65.40	33
34	COMANCHE						34
35	GRAND MESA	2,576.20		237.12		221.20	35
36	METROPOLITAN DENVER	161.16		3,958.40	26,415.30	1,405.41	36
37	PAWNEE						37
38	SAN ISABEL	58.00	18,878.00	724.10		653.94	38
39	SAN LUIS						39
40	YAMPA		11,030.00			215.00	40
41	EASTERN CONNECTICUT	36.00	548.00			751.00	41
42	HARTFORD-NEW HAVEN-SPRINGFIELD	184.00	5,196.00	344.00		4,281.63	42
43	NEW JERSEY-NEW YORK-CONNECTICUT	3,646.10	13,559.10	32,074.60		23,715.11	43
44	NORTHWESTERN CONNECTICUT						44
45	METROPOLITAN PHILADELPHIA	1,054.70	14,057.30	9,159.60		4,470.00	45
46	SOUTHERN DELAWARE			996.00		686.00	46
47	NATIONAL CAPITAL	1,133.00	4,171.00	2,981.00	6,504.00	3,184.00	47
48	CENTRAL FLORIDA	966.10				2,639.90	48
49	JACKSONVILLE-BRUNSWICK		616.00			1,359.55	49
50	SOUTHEAST FLORIDA	1,448.10			800.00	2,133.60	50
51	SOUTHWEST FLORIDA					236.30	51
52	WEST CENTRAL FLORIDA		10,404.00			7,275.00	52
53	AUGUSTA-AIKEN		1,196.75			214.18	53
54	CENTRAL GEORGIA		6,932.00			11,919.00	54
55	CHATTANOOGA		14,255.00			12,200.00	55
56	METROPOLITAN ATLANTA		15,693.00			11,265.00	56
57	NORTHEAST GEORGIA						57
58	SAVANNAH-BEAUFORT	161.40	719.41			534.79	58
59	SOUTHWEST GEORGIA		1,915.00			99.00	59
60	HAWAII (ENTIRE STATE)	53.75				1,412.47	60
61	EASTERN IDAHO						61
62	EASTERN WASH.-NORTHERN IDAHO						62
63	IDAHO						63
64	METROPOLITAN BOISE						64
65	BURLINGTON-KEOKUK	38.00	11,981.91			8,203.84	65
66	EAST CENTRAL		2,946.00			282.90	66
67	METROPOLITAN CHICAGO	9.00	43,910.00	1,430.00	15,000.00	7,168.00	67
68	METROPOLITAN DUBUQUE	127.00	10,354.10			527.50	68
69	METROPOLITAN QUAD CITIES	78.60	7,339.00	1,400.00		961.36	69
70	METROPOLITAN ST. LOUIS	57.90	32,731.70	980.00	8,295.70	16,467.50	70
71	NORTH CENTRAL ILLINOIS		4,815.00			405.00	71
72	PADUCAH-CAIRO	162.75	19,488.67	7,106.00	411.72	5,996.71	72
73	ROCKFORD-JANESVILLE-BELOIT	166.00	4,479.00			456.00	73
74	SOUTHEAST ILLINOIS		4,475.00	2,334.24		178.92	74
75	WEST CENTRAL ILLINOIS		21,648.80	647.10		2,152.40	75
76	EAST CENTRAL INDIANA		500.00				76
77	EVANSVILLE-OWENSBORO-HENDERSON	858.00	17,169.70	1,376.70		8,421.80	77
78	LOUISVILLE		13,160.00		3,760.00	6,118.00	78
79	METROPOLITAN CINCINNATI	140.00	23,928.00	535.00		7,844.50	79
80	METROPOLITAN INDIANAPOLIS	155.10	6,774.30	4,797.59		1,767.20	80
81	NORTHEAST INDIANA						81
82	SOUTH BEND-ELKHART-BENTON HARBOR		3,417.00			1,957.00	82
83	SOUTHERN INDIANA			3,390.00		2,886.00	83
84	WABASH VALLEY	18.70	12,007.00			5,444.00	84

TABLE 5-B

(Contd) - INSTALLED COSTS OF AIR POLLUTION CONTROL EQUIPMENT, BY AIR QUALITY CONTROL REGION, 1975

AQCR NO	AIR QUALITY CONTROL REGION	INSTALLED COSTS ($1,000) MECHANICAL PRECIPITATORS	ELECTROSTATIC PRECIPITATORS	COMBINED PRECIPITATORS	DESULFURIZATION SYSTEMS	STACKS	AQCR NO
85	METROPOL. OMAHA-COUNCIL BLUFFS	763.70	3,575.20	776.00		920.50	85
86	METROPOLITAN SIOUX CITY		22,753.00			1,403.30	86
87	METROPOLITAN SIOUX FALLS	36.00				284.00	87
88	NORTHEAST IOWA	227.80	8,479.00	1,977.00		761.10	88
89	NORTH CENTRAL IOWA	56.40		800.00		42.60	89
90	NORTHWEST IOWA	21.40	1,000.00			27.70	90
91	SOUTHEAST IOWA						91
92	SOUTH CENTRAL IOWA	913.70	3,882.90	330.00		1,421.50	92
93	SOUTHWEST IOWA						93
94	METROPOLITAN KANSAS CITY	966.70	5,643.00	852.00	5,388.00	3,613.51	94
95	NORTHEAST KANSAS	170.00			4,000.00	569.00	95
96	NORTH CENTRAL KANSAS					56.30	96
97	NORTHWEST KANSAS					69.00	97
98	SOUTHEAST KANSAS	145.91			32,483.00	2,849.97	98
99	SOUTH CENTRAL KANSAS					347.40	99
100	SOUTHWEST KANSAS					75.00	100
101	APPALACHIAN	19.96				11.85	101
102	BLUEGRASS	105.80	3,895.50	2,200.00		1,148.50	102
103	HUNTINGTON-ASHL.-PORTSM.-IRONTON		26,542.00	2,675.00		30,226.00	103
104	NORTH CENTRAL KENTUCKY						104
105	SOUTH CENTRAL KENTUCKY			2,216.00		107.00	105
106	SOUTHERN LOUISIANA-SE TEXAS					1,437.20	106
107	ANDROSCOGGIN VALLEY	79.90	125.40			237.90	107
108	AROOSTOOK						108
109	DOWN EAST					62.80	109
110	METROPOLITAN PORTLAND	180.80				390.50	110
111	NORTHWEST MAINE						111
112	CENTRAL MARYLAND						112
113	CUMBERLAND-KEYSER		25,324.00			4,406.00	113
114	EASTERN SHORE	122.00				64.00	114
115	METROPOLITAN BALTIMORE	2,475.00	6,104.00	3,035.00		7,127.00	115
116	SOUTHERN MARYLAND		1,390.00			2,678.00	116
117	BERKSHIRE						117
118	CENTRAL MASSACHUSETTS					46.03	118
119	METROPOLITAN BOSTON		21,864.50		3,625.00	4,829.34	119
120	METROPOLITAN PROVIDENCE	323.20	12,027.90	256.80		4,618.60	120
121	MERRIMACK VALLEY-SOUTHERN N.H.		2,239.00	332.00		1,610.90	121
122	CENTRAL MICHIGAN	191.00	8,246.60	150.00		15,506.00	122
123	METROPOLITAN DETROIT-PORT HURON	80.70	13,569.00	15,374.20		5,183.50	123
124	METROPOLITAN TOLEDO	74.90	28,391.00	2,020.00		7,106.30	124
125	SOUTH CENTRAL MICHIGAN		4,987.41	150.00		2,556.80	125
126	UPPER MICHIGAN		3,848.00	3,747.00		1,098.00	126
127	CENTRAL MINNESOTA						127
128	SOUTHEAST MINNESOTA-LA CROSSE	54.88	7,962.70			7,835.08	128
129	DULUTH-SUPERIOR	301.00			12,865.00	1,853.73	129
130	METROPOLITAN FARGO-MOORHEAD						130
131	MINNEAPOLIS-ST. PAUL		12,189.00			7,446.00	131
132	NORTHWEST MINNESOTA	162.70	1,950.00			148.70	132
133	SOUTHWEST MINNESOTA		772.00			123.00	133
134	MISSISSIPPI DELTA					1,324.97	134
135	NORTHEAST MISSISSIPPI						135
136	NORTHERN PIEDMONT		4,338.00			60.00	136
137	NORTHERN MISSOURI	15.60				213.72	137
138	SOUTHEAST MISSOURI					26.00	138
139	SOUTHWEST MISSOURI		1,201.96	742.00		1,424.95	139
140	BILLINGS		1,030.00			308.00	140
141	GREAT FALLS						141
142	HELENA						142
143	MILES CITY	49.00			13,236.00	286.50	143
144	MISSOULA						144
145	LINCOLN-BEATRICE-FAIRBURY	169.00	7,000.00			173.20	145
146	NEBRASKA					167.42	146
147	NEVADA						147
148	NORTHWEST NEVADA					241.00	148
149	NEW HAMPSHIRE						149
150	NEW JERSEY	680.00	744.70	131.80		914.30	150
151	NE PENN.-UPPER DELAWARE VALLEY		6,580.00	3,379.00		3,176.50	151
152	ALBUQUERQUE-MID RIO GRANDE					143.60	152
153	EL PASO-LAS CRUCES-ALAMOGORDO					177.00	153
154	NORTHEASTERN PLAINS						154
155	PECOS-PERMIAN BASIN					56.93	155
156	SOUTHWESTERN MTS-AUGUSTINE PLAIN						156
157	UPPER RIO GRANDE VALLEY						157
158	CENTRAL NEW YORK	341.30				3,951.00	158
159	CHAMPLAIN VALLEY						159
160	GENESEE-FINGER LAKES	31.99	1,649.10	436.40		753.21	160
161	HUDSON VALLEY	4,327.10	2,973.00			3,414.00	161
162	NIAGARA FRONTIER		30,250.00			1,730.10	162
163	SOUTHERN TIER EAST	106.90	6,000.00			109.64	163
164	SOUTHERN TIER WEST		21,527.30			2,178.70	164
165	EASTERN MOUNTAIN		18,065.00	444.00		2,090.00	165
166	EASTERN PIEDMONT	44.60	16,899.20			1,765.60	166
167	METROPOLITAN CHARLOTTE		23,307.00	1,263.00		744.12	167
168	NORTHERN COASTAL PLAIN						168

TABLE 5-B

(Contd) - INSTALLED COSTS OF AIR POLLUTION CONTROL EQUIPMENT, BY AIR QUALITY CONTROL REGION, 1975

AQCR NO	AIR QUALITY CONTROL REGION	INSTALLED COSTS ($1,000) MECHANICAL PRECIPITATORS	ELECTROSTATIC PRECIPITATORS	COMBINED PRECIPITATORS	DESULFURIZATION SYSTEMS	STACKS	AQCR NO
169	SANDHILLS	47.60	4,250.00				169
170	SOUTHERN COASTAL PLAIN	110.30	3,050.00	2,580.00		129.80	170
171	WESTERN MOUNTAIN		2,914.00			2,485.40	171
						505.20	
172	NORTH DAKOTA	475.30	5,415.20	8,824.60			172
173	DAYTON	72.00	9,183.00	922.00		2,586.12	173
174	GREATER METROPOLITAN CLEVELAND		7,756.40	1,470.00		451.00	174
						5,178.80	
175	MANSFIELD-MARION						175
176	METROPOLITAN COLUMBUS	180.00					176
177	NORTHWEST OHIO					160.00	177
178	NORTHWEST PENN.-YOUNGSTOWN	172.00	2,980.60	3,045.20			178
179	PARKERSBURG-MARIETTA	759.00	22,519.00			1,635.40	179
180	SANDUSKY					4,301.00	180
181	STEUBENVILLE-WEIRTON-WHEELING		25,553.00	724.00			181
182	WILMINGTON-CHILLICOTHE-LOGAN					23,864.00	182
183	ZANESVILLE-CAMBRIDGE	287.00	2,752.00				183
						3,834.00	
184	CENTRAL OKLAHOMA						184
185	NORTH CENTRAL OKLAHOMA					627.70	185
186	NORTHEASTERN OKLAHOMA					24.30	186
						265.10	
187	NORTHWESTERN OKLAHOMA						187
188	SOUTHEASTERN OKLAHOMA						188
189	SOUTHWESTERN OKLAHOMA					258.70	189
190	CENTRAL OREGON						190
191	EASTERN OREGON						191
192	NORTHWEST OREGON						192
193	PORTLAND		44,800.00				193
194	SOUTHWEST OREGON					2,449.00	194
195	CENTRAL PENNSYLVANIA	32.50	4,725.00	7,316.30			195
						3,022.50	
196	SOUTH CENTRAL PENNSYLVANIA		3,698.00	1,035.00	1,231.00	1,211.00	196
197	SOUTHWEST PENNSYLVANIA		35,420.50	5,612.80	32,346.00	15,936.80	197
198	CAMDEN-SUMTER						198
199	CHARLESTON	406.80	354.00			1,554.54	199
200	COLUMBIA		2,328.81			877.87	200
201	FLORENCE			884.00		105.60	201
202	GREENVILLE-SPARTANBURG		5,890.00			21.00	202
203	GREENWOOD						203
204	GEORGETOWN		2,498.00			1,198.80	204
205	BLACK HILLS-RAPID CITY	28.00				1.29	205
206	SOUTH DAKOTA		9,159.30			1,572.60	206
207	EASTERN TENN.-SOUTHWESTERN VA.		3,446.00	14,786.40		3,218.12	207
208	MIDDLE TENNESSEE	447.00	7,775.00	17,604.40		9,578.40	208
209	WESTERN TENNESSEE						209
210	ABILENE-WICHITA FALLS					179.26	210
211	AMARILLO-LUBBOCK					238.26	211
212	AUSTIN-WACO		3,451.00			1,411.83	212
213	BROWNSVILLE-LAREDO					480.90	213
214	CORPUS CHRISTI-VICTORIA						214
215	METROPOLITAN DALLAS-FORT WORTH					685.80	215
216	METROPOLITAN HOUSTON-GALVESTON					1,714.58	216
217	METROPOLITAN SAN ANTONIO						217
218	MIDLAND-ODESSA-SAN ANGELO					406.25	218
219	UTAH	173.88				213.30	219
						119.89	
220	WASATCH FRONT						220
221	VERMONT			829.15		394.28	221
222	CENTRAL VIRGINIA	28.00					222
						19.50	
223	HAMPTON ROADS	1,254.00	877.00	1,296.00		1,686.00	223
224	NORTHEASTERN VIRGINIA		3,788.00			158.00	224
225	STATE CAPITAL	16.00	4,414.00	363.00		829.00	225
226	VALLEY OF VIRGINIA	207.00	13,000.00			27.00	226
227	NORTHERN WASHINGTON						227
228	OLYMPIA-NORTHWEST WASHINGTON						228
229	PUGET SOUND						229
230	SOUTH CENTRAL WASHINGTON						230
231	ALLEGHENY						231
232	CENTRAL WEST VIRGINIA						232
233	EASTERN PANHANDLE						233
234	KANAWHA VALLEY		16,341.00			8,906.00	234
235	NORTH CENTRAL WEST VIRGINIA	795.00	26,241.00			9,783.00	235
236	SOUTHERN WEST VIRGINIA						236
237	LAKE MICHIGAN	2,413.80	7,714.20			883.75	237
238	NORTH CENTRAL WISCONSIN	21.00	3,077.00			94.00	238
239	SOUTHEASTERN WISCONSIN		13,487.00			3,037.00	239
240	SOUTHERN WISCONSIN	183.00	9,235.00	3,220.00		1,467.00	240
241	CASPER	13,626.00				1,456.00	241
242	METROPOLITAN CHEYENNE						242
243	WYOMING	206.87	29,434.00	7,000.00		3,472.48	243
244	PUERTO RICO						244
245	AMERICAN SAMOA						245
246	GUAM						246
247	U. S. VIRGIN ISLANDS						247
	U.S. TOTALS	**53,751.15**	**1,171,586.82**	**207,969.86**	**216,168.82**	**501,224.43**	

TABLE 6-A

NUMBER OF PLANTS, CAPACITIES, AND TYPES OF COOLING BY REGION AND STATE, 1975

LINE NO	GEOGRAPHIC REGION AND STATE	ONCE THROUGH FRESH		ONCE THROUGH SALINE		COOLING PONDS		COOLING TOWERS		COMBINED SYSTEMS		LINE NO
		NO. OF PLANTS	CAPACITY (MW)	NO. OF PLANTS	CAPACITY (MW)	NO. OF PLANTS	CAPACITY (MW)	NO. OF PLANTS	CAPACITY (MW)	NO. OF PLANTS	CAPACITY (MW)	
	NEW ENGLAND											
1	CONNECTICUT	2	817.05	7	3,695.60					2	1,497.40	1
2	MAINE	1	57.45	3	1,190.10							2
3	MASSACHUSETTS	5	452.84	10	4,654.55			1	35.45	2	1,635.50	3
4	NEW HAMPSHIRE			2	592.75					1	459.24	4
5	RHODE ISLAND	.		2	242.90							5
6	VERMONT							1	540.00			6
7	**TOTALS**	**8**	**1,327.34**	**24**	**10,375.90**			**2**	**575.45**	**5**	**3,592.14**	**7**
	MIDDLE ATLANTIC											
8	NEW JERSEY	3	1,233.90	10	4,955.20					2	552.05	8
9	NEW YORK	16	7,496.26	16	12,075.59							9
10	PENNSYLVANIA	27	9,461.19					5	7,576.70	5	5,798.60	10
11	**TOTALS**	**46**	**18,191.35**	**26**	**17,030.79**			**5**	**7,576.70**	**7**	**6,350.65**	**11**
	EAST NORTH CENTRAL											
12	ILLINOIS	25	12,064.86			4	4,315.05	2	212.30	4	5,856.00	12
13	INDIANA	22	10,997.71			1	650.00	3	160.65	2	1,670.76	13
14	MICHIGAN	26	12,623.05					3	1,011.70	2	1,541.00	14
15	OHIO	25	13,829.47			1	31.33	2	2,800.00	4	5,979.10	15
16	WISCONSIN	23	6,737.23			1	512.00			1	41.50	16
17	**TOTALS**	**121**	**56,252.32**			**7**	**5,508.38**	**10**	**4,184.65**	**13**	**15,088.36**	**17**
	WEST NORTH CENTRAL											
18	IOWA	14	2,566.35			1	92.20	8	969.70	2	336.15	18
19	KANSAS	5	683.63			1	873.00	10	2,155.00	4	759.50	19
20	MINNESOTA	10	1,394.79					4	149.25	8	3,592.86	20
21	MISSOURI	12	6,668.09			1	563.00	6	530.00	1	150.50	21
22	NEBRASKA	8	2,293.50					2	258.65	2	142.50	22
23	NORTH DAKOTA	3	952.00			1	256.50	1	36.00			23
24	SOUTH DAKOTA					1	455.66	3	155.00			24
25	**TOTALS**	**52**	**14,558.36**			**5**	**2,240.36**	**34**	**4,253.60**	**17**	**4,981.51**	**25**
	SOUTH ATLANTIC											
26	DELAWARE			2	470.00			1	172.00	1	775.10	26
27	DISTRICT OF COLUMBIA	1	235.00							1	719.00	27
28	FLORIDA	10	1,784.75	20	10,146.10	1	2,337.79	4	340.35	3	2,388.05	28
29	GEORGIA	6	3,954.00	3	580.20			1	3,499.00	1	1,487.00	29
30	MARYLAND	2	697.50	7	4,261.10					2	1,558.50	30
31	NORTH CAROLINA	6	6,889.00	1	796.00	5	3,466.26			2	1,160.96	31
32	SOUTH CAROLINA	4	3,550.36	1	97.75	1	315.00	2	1,404.50	4	1,973.12	32
33	VIRGINIA	7	2,819.82	4	3,655.24			1	669.00	1	1,373.00	33
34	WEST VIRGINIA	7	3,037.50			1	1,662.48	4	7,602.20			34
35	**TOTALS**	**43**	**22,967.93**	**38**	**20,006.39**	**8**	**7,781.53**	**13**	**13,687.05**	**15**	**11,434.73**	**35**
	EAST SOUTH CENTRAL											
36	ALABAMA	11	9,816.47	1	138.00					1	2,012.80	36
37	KENTUCKY	11	4,966.80			1	194.00	5	2,602.50	2	3,269.20	37
38	MISSISSIPPI	3	2,186.70					3	379.85	4	1,850.55	38
39	TENNESSEE	8	10,066.90									39
40	**TOTALS**	**33**	**27,036.87**	**1**	**138.00**	**1**	**194.00**	**8**	**2,982.35**	**7**	**7,132.55**	**40**
	WEST SOUTH CENTRAL											
41	ARKANSAS	6	2,812.34					3	585.00			41
42	LOUISIANA	8	6,375.29	2	1,177.50	3	892.70	13	2,118.54	2	775.38	42
43	OKLAHOMA	2	235.90			3	2,046.00	9	3,201.00	2	972.48	43
44	TEXAS	11	4,597.85	3	2,400.10	24	14,036.15	29	7,355.97	15	10,628.42	44
45	**TOTALS**	**27**	**14,021.38**	**5**	**3,577.60**	**30**	**16,974.85**	**54**	**13,260.51**	**19**	**12,376.28**	**45**
	MOUNTAIN											
46	ARIZONA					1	113.60	11	4,657.94			46
47	COLORADO	1	25.00			2	356.75	6	2,080.00	4	466.05	47
48	IDAHO											48
49	MONTANA	3	291.80					1	358.00			49
50	NEVADA					1	220.00	4	1,908.08	1	240.00	50
51	NEW MEXICO					1	2,212.20	10	1,597.05	2	77.30	51
52	UTAH	1	59.00					3	828.64			52
53	WYOMING							4	1,766.20	1	750.30	53
54	**TOTALS**	**5**	**375.80**			**5**	**2,902.55**	**39**	**13,215.91**	**8**	**1,533.65**	**54**
	PACIFIC											
55	CALIFORNIA			22	18,086.45			14	4,433.66	1	2,028.90	55
56	OREGON											56
57	WASHINGTON	1	862.00					1	1,330.00			57
58	**TOTALS**	**1**	**862.00**	**22**	**18,086.45**			**15**	**5,763.66**	**1**	**2,028.90**	**58**
	NON-CONTIGUOUS U.S.											
59	ALASKA	1	25.00									59
60	HAWAII			3	678.01					1	394.50	60
61	PUERTO RICO			4	3,169.00							61
62	VIRGIN ISLANDS											62
63	**TOTALS**	**1**	**25.00**	**7**	**3,847.01**					**1**	**394.50**	**63**
64	**U.S. TOTALS**	**337**	**155,618.35**	**123**	**73,062.14**	**56**	**35,601.67**	**180**	**65,499.88**	**93**	**64,913.27**	**64**

TABLE 6-B

NUMBER OF PLANTS, CAPACITIES, AND TYPES OF COOLING BY WATER RESOURCE REGION, 1975

LINE NO	WATER RESOURCE REGION	ONCE THROUGH FRESH		ONCE THROUGH SALINE		COOLING PONDS		COOLING TOWERS		COMBINED SYSTEMS		LINE NO
		NO. OF PLANTS	CAPACITY (MW)	NO. OF PLANTS	CAPACITY (MW)	NO. OF PLANTS	CAPACITY (MW)	NO. OF PLANTS	CAPACITY (MW)	NO. OF PLANTS	CAPACITY (MW)	
1	NEW ENGLAND	9	1,363.34	27	12,384.44			1	35.45	5	3,592.14	1
2	MIDDLE ATLANTIC	34	13,051.09	35	21,759.99	1	1,662.48	4	3,224.70	11	9,048.25	2
3	SOUTH ATLANTIC - GULF	34	20,422.72	27	13,406.65	6	5,705.41	9	5,557.70	12	10,237.28	3
4	GREAT LAKES	66	29,535.22			1	31.33	3	1,011.70	3	2,277.00	4
5	OHIO	67	34,374.84			3	943.00	19	18,441.65	8	11,911.06	5
6	TENNESSEE	11	14,180.19			1	413.64	1	669.00			6
7	UPPER MISSISSIPPI	48	14,438.52			6	5,275.91	11	1,081.45	14	9,689.61	7
8	LOWER MISSISSIPPI	15	12,106.86	2	1,177.50	1	445.50	12	2,033.94	5	1,410.58	8
9	SOURIS - RED - RAINY	2	160.00							1	136.90	9
10	MISSOURI	29	7,106.98			4	1,974.25	18	2,901.10	6	1,504.65	10
11	ARKANSAS - WHITE - RED	8	3,334.74			10	4,757.20	30	7,548.05	8	2,867.23	11
12	TEXAS - GULF	11	4,597.85	3	2,400.10	19	11,772.15	19	4,630.22	13	9,388.62	12
13	RIO GRANDE							14	2,914.30	2	97.30	13
14	UPPER COLORADO					2	2,287.20	6	2,120.60	1	33.00	14
15	LOWER COLORADO					1	113.60	15	4,971.32			15
16	GREAT BASIN	1	59.00			1	220.00	3	2,595.04	1	240.00	16
17	COLUMBIA - NORTH PACIFIC	1	862.00					1	1,330.00			17
18	CALIFORNIA - SOUTH PACIFIC			22	18,086.45			14	4,433.66	2	2,085.15	18
19	**TOTALS - CONTIGUOUS U.S.**	**336**	**155,593.35**	**116**	**69,215.13**	**56**	**35,601.67**	**180**	**65,499.88**	**92**	**64,518.77**	**19**
20	ALASKA	1	25.00									20
21	HAWAII			3	678.01					1	394.50	21
22	PUERTO RICO			4	3,169.00							22
23	**TOTALS - NON-CONTIGUOUS U.S.**	**1**	**25.00**	**7**	**3,847.01**					**1**	**394.50**	**23**
24	**TOTALS - UNITED STATES**	**337**	**155,618.35**	**123**	**73,062.14**	**56**	**35,601.67**	**180**	**65,499.88**	**93**	**64,913.27**	**24**

TABLE 7-A

AVERAGE COOLING WATER USE, BY REGION AND STATE, 1975

LINE NO	GEOGRAPHIC REGION AND STATE	TOTAL DESIGNED CONDENSER FLOW (CFS)		AVERAGE RATE OF WATER USE DURING THE YEAR (CFS)						LINE NO
				WITHDRAWAL		CONSUMPTION		DISCHARGE		
		FRESH	SALINE	FRESH	SALINE	FRESH	SALINE	FRESH	SALINE	
	NEW ENGLAND									
1	CONNECTICUT	2,220.80	6,488.35	1,239.00	3,144.55	3.00		1,236.00	3,144.55	1
2	MAINE	107.00	1,490.60	31.50	990.04		.18	31.50	989.87	2
3	MASSACHUSETTS	3,099.10	5,352.35	1,612.20	3,811.95	.20		1,612.00	3,811.95	3
4	NEW HAMPSHIRE	416.00	717.30	444.00	742.60	8.60	6.40	435.40	736.20	4
5	RHODE ISLAND		512.00		257.00				256.70	5
6	VERMONT	800.00		836.00				836.00		6
7	**TOTALS**	**6,642.90**	**14,560.60**	**4,162.70**	**8,946.14**	**11.80**	**6.58**	**4,150.90**	**8,939.27**	**7**
	MIDDLE ATLANTIC									
8	NEW JERSEY	2,123.00	8,063.38	1,324.10	4,771.70		2.00	1,324.10	4,769.70	8
9	NEW YORK	10,131.50	16,665.08	7,914.75	11,004.60	14.07	60.00	7,903.09	11,004.60	9
10	PENNSYLVANIA	24,754.80		13,050.53		174.57		12,928.18		10
11	**TOTALS**	**37,009.30**	**24,728.46**	**22,289.38**	**15,776.30**	**188.64**	**62.00**	**22,155.37**	**15,774.30**	**11**
	EAST NORTH CENTRAL									
12	ILLINOIS	34,245.95		14,051.60		103.60		13,966.70		12
13	INDIANA	18,637.29		14,040.24		108.31		13,931.14		13
14	MICHIGAN	21,507.90		12,386.23		95.39		12,294.84		14
15	OHIO	29,883.72		19,462.16		325.28		18,626.78		15
16	WISCONSIN	11,980.29		7,965.33		71.64		7,894.03		16
17	**TOTALS**	**116,255.15**		**67,905.56**		**704.22**		**66,713.49**		**17**
	WEST NORTH CENTRAL									
18	IOWA	5,335.36		3,019.44		28.34		2,994.00		18
19	KANSAS	6,101.26		1,623.65		50.05		1,573.44		19
20	MINNESOTA	6,835.37		3,057.13		70.50		2,986.63		20
21	MISSOURI	6,897.93		4,470.90		7.81		4,463.12		21
22	NEBRASKA	4,101.30		2,921.85		2.63		2,920.32		22
23	NORTH DAKOTA	799.64		4,050.92		7.92		4,043.10		23
24	SOUTH DAKOTA	650.10		5.46		4.98		.48		24
25	**TOTALS**	**30,720.96**		**19,149.35**		**172.23**		**18,981.09**		**25**
	SOUTH ATLANTIC									
26	DELAWARE	136.10	2,317.00		2,077.40				2,077.40	26
27	DISTRICT OF COLUMBIA	1,892.00		201.00		3.00		198.00		27
28	FLORIDA	10,660.98	15,710.00	3,158.99	14,653.36	5.36	2.00	3,155.63	14,650.22	28
29	GEORGIA	8,125.00	767.00	3,679.79	512.69	55.29		3,624.50	512.69	29
30	MARYLAND	796.50	10,501.40	643.60	9,073.00	.54	25.00	643.50	9,038.00	30
31	NORTH CAROLINA	12,178.20	1,250.00	6,623.69	1,250.00	89.60		6,532.49	1,250.00	31
32	SOUTH CAROLINA	9,477.97	201.32	7,407.44	210.67	54.85	1.81	7,353.45	208.86	32
33	VIRGINIA	5,420.36	6,686.50	3,657.25	5,876.40	8.07		3,649.25	5,876.40	33
34	WEST VIRGINIA	11,849.98		5,175.17		180.69		4,996.40		34
35	**TOTALS**	**60,537.09**	**37,433.22**	**30,546.93**	**33,653.52**	**397.40**	**28.81**	**30,153.26**	**33,613.57**	**35**
	EAST SOUTH CENTRAL									
36	ALABAMA	13,799.86	326.60	7,272.00	165.70	103.96		7,167.75	165.70	36
37	KENTUCKY	11,605.41		6,209.14		125.31		6,083.96		37
38	MISSISSIPPI	2,900.01	1,035.00	1,656.70	771.50	36.26	15.60	1,620.44	755.90	38
39	TENNESSEE	12,658.90		8,831.00		60.00		8,771.00		39
40	**TOTALS**	**40,964.18**	**1,361.60**	**23,968.84**	**937.20**	**325.53**	**15.60**	**23,646.15**	**921.60**	**40**
	WEST SOUTH CENTRAL									
41	ARKANSAS	4,686.35		2,757.39		2.40		2,754.99		41
42	LOUISIANA	11,673.37	1,492.40	6,973.57	816.00	150.15		6,838.03	816.00	42
43	OKLAHOMA	8,152.55		242.67		58.75		186.73		43
44	TEXAS	48,713.86	3,112.90	14,050.56	2,410.60	491.40	6.44	13,627.87	2,410.60	44
45	**TOTALS**	**73,226.13**	**4,605.30**	**24,024.19**	**3,226.60**	**702.70**	**6.44**	**23,407.62**	**3,226.60**	**45**
	MOUNTAIN									
46	ARIZONA	4,239.39		192.80		32.34		160.52		46
47	COLORADO	4,033.78		322.52		37.56		285.96		47
48	IDAHO									48
49	MONTANA	469.70		206.00		9.10		196.90		49
50	NEVADA	2,382.10		87.18		27.56		59.62		50
51	NEW MEXICO	4,949.57		214.15		50.19		161.68		51
52	UTAH	1,643.40		74.90		13.18		61.72		52
53	WYOMING	1,840.66		305.70		39.62		265.42		53
54	**TOTALS**	**19,558.60**		**1,403.25**		**209.55**		**1,191.82**		**54**
	PACIFIC									
55	CALIFORNIA	7,736.60	18,960.80	1,829.40	17,331.97	195.24	17.27	1,634.37	17,314.70	55
56	OREGON									56
57	WASHINGTON	2,250.00		851.30		23.30		828.00		57
58	**TOTALS**	**9,986.60**	**18,960.80**	**2,680.70**	**17,331.97**	**218.54**	**17.27**	**2,462.37**	**17,314.70**	**58**
	NON-CONTIGUOUS U.S.									
59	ALASKA	30.50		21.60		.30		21.30		59
60	HAWAII		2,370.00		1,637.50				1,637.50	60
61	PUERTO RICO		4,665.00		3,745.10				3,745.10	61
62	VIRGIN ISLANDS									62
63	**TOTALS**	**30.50**	**7,035.00**	**21.60**	**5,382.60**	**.30**		**21.30**	**5,382.60**	**63**
64	**U.S. TOTALS**	**394,931.41**	**108,684.98**	**196,152.50**	**85,254.33**	**2,930.91**	**136.70**	**192,883.37**	**85,172.64**	**64**

TABLE 7-B

AVERAGE COOLING WATER USE, BY WATER RESOURCE REGION, 1975

LINE NO	WATER RESOURCE REGION	TOTAL DESIGNED CONDENSER FLOW (CFS)		AVERAGE RATE OF WATER USE DURING THE YEAR (CFS)						LINE NO
				WITHDRAWAL		CONSUMPTION		DISCHARGE		
		FRESH	SALINE	FRESH	SALINE	FRESH	SALINE	FRESH	SALINE	
1	NEW ENGLAND	5,842.90	16,771.48	3,326.70	10,814.14	11.80	6.58	3,314.90	10,807.27	1
2	MIDDLE ATLANTIC	30,393.46	38,282.48	18,856.84	27,569.10	150.03	87.00	18,759.18	27,532.10	2
3	SOUTH ATLANTIC - GULF	47,420.71	23,029.92	25,353.65	20,929.92	283.15	19.41	25,071.51	20,909.37	3
4	GREAT LAKES	54,653.81		32,195.84		145.56		32,055.03		4
5	OHIO	70,729.34		44,401.95		817.08		43,089.05		5
6	TENNESSEE	18,176.70		10,364.29		70.00		10,294.29		6
7	UPPER MISSISSIPPI	43,910.12		18,058.53		202.49		17,869.94		7
8	LOWER MISSISSIPPI	17,108.53	1,492.40	11,316.55	816.00	179.96		11,141.21	816.00	8
9	SOURIS - RED - RAINY	475.00		341.80		.04		341.76		9
10	MISSOURI	15,185.14		12,180.45		100.35		12,080.67		10
11	ARKANSAS - WHITE - RED	23,155.26		2,420.77		113.65		2,330.60		11
12	TEXAS - GULF	40,782.96	3,112.90	13,935.74	2,410.60	459.73	6.44	13,536.14	2,410.60	12
13	RIO GRANDE	4,032.74		128.25		35.90		91.09		13
14	UPPER COLORADO	4,735.30		205.91		60.92		142.71		14
15	LOWER COLORADO	5,016.52		196.93		35.22		161.77		15
16	GREAT BASIN	3,218.50		164.92		45.70		119.22		16
17	COLUMBIA - NORTH PACIFIC	2,250.00		851.30		23.30		828.00		17
18	CALIFORNIA - SOUTH PACIFIC	7,813.92	18,960.80	1,830.48	17,331.97	195.73	17.27	1,634.96	17,314.70	18
19	**TOTALS - CONTIGUOUS U.S.**	**394,900.91**	**101,649.98**	**196,130.90**	**79,871.73**	**2,930.61**	**136.70**	**192,862.07**	**79,790.04**	19
20	ALASKA	30.50		21.60		.30		21.30		20
21	HAWAII		2,370.00		1,637.50				1,637.50	21
22	PUERTO RICO		4,665.00		3,745.10				3,745.10	22
23	**TOTALS - NON-CONTIGUOUS U.S.**	**30.50**	**7,035.00**	**21.60**	**5,382.60**	**.30**		**21.30**	**5,382.60**	23
24	**TOTALS - UNITED STATES**	**394,931.41**	**108,684.98**	**196,152.50**	**85,254.33**	**2,930.91**	**136.70**	**192,883.37**	**85,172.64**	24

TABLE 8.A

USE OF CHEMICAL ADDITIVIES, BY REGION AND STATE, 1975

LINE NO	GEOGRAPHIC REGION AND STATE	COOLING WATER ADDITIVES (TONS)				BOILER WATER ADDITIVES (TONS)					LINE NO
		PHOSPHATE	LIME	ALUM	CHLORINE	PHOSPHATE	CAUSTIC SODA	LIME	ALUM	CHLORINE	
	NEW ENGLAND										1
1	CONNECTICUT				510.63	6.90	111.93				2
2	MAINE					2.01	150.58		8.72		3
3	MASSACHUSETTS	4.13		8.08	157.60	25.79	1,378.71	4.58	15.03	27.87	4
4	NEW HAMPSHIRE				22.16	1.35	167.23				5
5	RHODE ISLAND					4.65	1.37				6
6	VERMONT					.04					7
T	**TOTALS**	**4.13**		**8.08**	**690.39**	**40.74**	**1,809.82**	**4.58**	**23.75**	**27.87**	
	MIDDLE ATLANTIC										8
8	NEW JERSEY	.01			1,147.67	28.56	3,027.77	12.57	470.16		9
9	NEW YORK				8,233.49	137.17	6,207.34	192.16	74.97	.75	10
10	PENNSYLVANIA	2.38	2,863.78	34.83	1,424.45	24.41	15,139.74	48.25	245.61	14.17	11
11	**TOTALS**	**2.39**	**2,863.78**	**34.83**	**10,805.61**	**190.14**	**24,374.85**	**252.98**	**790.74**	**14.92**	
	EAST NORTH CENTRAL										12
12	ILLINOIS		172.50	66.90	2,480.13	35.16	8,640.58	633.17	225.48	7.08	13
13	INDIANA	12.10	327.79	119.06	776.37	15.46	1,641.20	1,320.93	15.82	44.34	14
14	MICHIGAN	.01		82.16	623.85	30.56	4,693.84	742.28	459.06	129.47	15
15	OHIO	67.50	2,069.69	869.06	1,317.73	22.10	2,990.64	332.07	30.29	10.16	16
16	WISCONSIN				538.59	29.18	1,600.61	66.91	18.90	2.40	17
17	**TOTALS**	**79.61**	**2,569.98**	**1,137.18**	**5,736.67**	**132.46**	**19,566.87**	**3,095.36**	**749.55**	**193.45**	
	WEST NORTH CENTRAL										18
18	IOWA	2.02	171.65	25.63	293.73	14.48	556.24	127.53	11.07	.06	19
19	KANSAS	84.19	799.00	6.87	201.25	7.79	1,109.53	169.43	5.00	4.05	20
20	MINNESOTA	.06			233.81	25.18	457.70	80.96	12.23	2.13	21
21	MISSOURI	14.06	415.17	67.98	396.36	53.41	3,936.90	1,421.35	11.23	12.35	22
22	NEBRASKA	2.55	149.20	66.18	30.41	6.06	258.90	383.71	53.07	5.57	23
23	NORTH DAKOTA				11.88	5.23	234.13	264.36	77.71	3.02	24
24	SOUTH DAKOTA	17.65	321.85	11.70	5.35	.75	372.96	24.00		1.00	25
25	**TOTALS**	**120.53**	**1,856.87**	**178.36**	**1,172.79**	**112.90**	**6,926.36**	**2,471.34**	**170.31**	**28.18**	
	SOUTH ATLANTIC										26
26	DELAWARE				36.22	5.39	424.66	7.50		7.50	27
27	DISTRICT OF COLUMBIA				54.60	1.12	140.35		190.36		28
28	FLORIDA	.93			645.43	35.97	6,642.36	667.26	24.77	7.79	29
29	GEORGIA				568.00	2.10	3,115.29	45.43	526.54	7.16	30
30	MARYLAND	.96			902.07	.88	682.17	29.45	90.18	1.70	31
31	NORTH CAROLINA			225.00	974.55	8.69	761.45		103.65	15.01	32
32	SOUTH CAROLINA				20.00	9.26	2,147.41	.20	196.85	5.93	33
33	VIRGINIA			55.73	356.10	11.44	833.07	8.30	139.10	.73	34
34	WEST VIRGINIA				194.71	4.14	2,055.02	38.33	484.53	9.83	35
35	**TOTALS**	**1.89**		**280.73**	**3,751.68**	**78.99**	**16,801.78**	**796.47**	**1,757.98**	**55.65**	
	EAST SOUTH CENTRAL										36
36	ALABAMA				4.89	2.71	300.42	2.88	135.05	12.04	37
37	KENTUCKY		15.41	60.65	371.00	15.20	1,535.82	127.84	131.25	3.46	38
38	MISSISSIPPI		74.50		71.18	3.95	680.86			1.08	39
39	TENNESSEE				142.75	15.51	1,147.49		92.35	3.82	40
40	**TOTALS**		**89.91**	**60.65**	**589.82**	**37.37**	**3,665.09**	**130.72**	**358.65**	**20.40**	
	WEST SOUTH CENTRAL										41
41	ARKANSAS		252.79	48.65	73.41	1.58	109.36	4.81			42
42	LOUISIANA	5.29		9.76	114.01	14.53	2,920.34	871.80	77.86	5.76	43
43	OKLAHOMA	54.26	17.74	48.29	193.17	5.96	537.87	22.26	52.59	63.11	44
44	TEXAS	63.23	4,641.24	309.88	1,658.16	40.50	8,641.02	553.36	33.52	22.93	45
45	**TOTALS**	**122.78**	**4,911.77**	**416.58**	**2,038.75**	**62.57**	**12,208.59**	**1,452.23**	**163.97**	**91.80**	
	MOUNTAIN										46
46	ARIZONA	83.32	2,850.00		116.92	1.09	850.67	24.84			47
47	COLORADO	4.73	452.16	138.32	162.27	17.30	293.17	37.43	22.05	12.00	48
48	IDAHO					.15	.10	11.18	1.28	.32	49
49	MONTANA				234.70	1.19	91.19				50
50	NEVADA	11.14	1,275.00		129.40	6.27	557.73	111.09	20.50		51
51	NEW MEXICO	90.06	139.13	17.60	21.70	5.57	1.67				52
52	UTAH				61.40	8.69	562.41	148.60	38.49		53
53	WYOMING	36.48				40.26	2,356.94	333.14	82.32	12.32	54
54	**TOTALS**	**225.73**	**4,716.29**	**155.92**	**726.39**						
	PACIFIC										55
55	CALIFORNIA	70.28			1,778.61	36.16	1,060.17	268.94	34.60	2.00	56
56	OREGON								2.10		57
57	WASHINGTON				46.00	3.45	89.32				58
58	**TOTALS**	**70.28**			**1,824.61**	**39.61**	**1,149.49**	**268.94**	**36.70**	**2.00**	
	NON-CONTIGUOUS U.S.										59
59	ALASKA					.05					60
60	HAWAII					3.59	1.04				61
61	PUERTO RICO				1.85	4.69	368.05				62
62	VIRGIN ISLANDS										63
63	**TOTALS**				**1.85**	**8.33**	**369.09**				
64	**U.S. TOTALS**	**627.34**	**17,008.60**	**2,272.33**	**27,338.56**	**743.37**	**89,228.88**	**8,805.76**	**4,133.97**	**446.59**	64

TABLE 8-B

USE OF CHEMICAL ADDITIVES, BY WATER RESOURCES REGION, 1975

LINE NO	WATER RESOURCE REGION	COOLING WATER ADDITIVES (TONS)				BOILER WATER ADDITIVES (TONS)					LINE NO
		PHOSPHATE	LIME	ALUM	CHLORINE	PHOSPHATE	CAUSTIC SODA	LIME	ALUM	CHLORINE	
1	NEW ENGLAND	4.13		8.08	751.39	42.70	1,810.02	4.58	23.75	27.87	1
2	MIDDLE ATLANTIC	1.47		90.56	11,448.51	191.90	23,259.24	75.80	1,090.54	14.88	2
3	SOUTH ATLANTIC - GULF	.93		225.00	2,253.70	59.74	12,673.47	715.77	941.82	45.93	3
4	GREAT LAKES	.01		82.16	2,347.41	85.36	7,452.30	1,245.85	550.50	6.47	4
5	OHIO	81.48	5,441.67	1,066.67	2,293.82	55.09	9,906.15	1,607.92	779.33	79.75	5
6	TENNESSEE				196.25	13.71	2,158.03		123.79	130.92	6
7	UPPER MISSISSIPPI	2.08	109.65	67.68	3,076.72	101.22	10,609.01	1,446.88	187.28	7.74	7
8	LOWER MISSISSIPPI	5.39	81.80	58.41	219.66	16.94	3,779.67	871.80	75.11	6.09	8
9	SOURIS - RED - RAINY				.88	1.39	1.31		10.61	.78	9
10	MISSOURI	85.54	1,553.32	152.81	356.87	45.38	2,797.41	1,310.12	182.97	21.32	10
11	ARKANSAS - WHITE - RED	128.28	2,683.62	275.36	424.12	27.38	2,513.75	416.67	36.61	72.34	11
12	TEXAS - GULF	38.88	2,265.46	172.17	1,507.02	27.11	7,808.18	541.73	31.01	22.93	12
13	RIO GRANDE	47.91	740.38	17.60	67.72	6.80	407.19	12.53			13
14	UPPER COLORADO	66.50	6.16	51.45	199.15	11.51	1,063.18	216.35	42.71	.80	14
15	LOWER COLORADO	83.32	4,125.00		332.92	1.78	851.36	24.84			15
16	GREAT BASIN	11.14			34.45	3.68	175.52	38.45			16
17	COLUMBIA - NORTH PACIFIC				46.00	3.45	89.32		2.10		17
18	CALIFORNIA - SOUTH PACIFIC	70.28	1.54	4.38	1,780.12	39.90	1,504.68	276.47	55.84	8.77	18
19	**TOTALS - CONTIGUOUS U.S.**	**627.34**	**17,008.60**	**2,272.33**	**27,336.71**	**735.04**	**88,859.79**	**8,805.76**	**4,133.97**	**446.59**	19
20	ALASKA					.05					20
21	HAWAII					3.59	1.04				21
22	PUERTO RICO				1.85	4.69	368.05				22
23	**TOTALS - NON-CONTIGUOUS U.S.**				1.85	8.33	369.09				23
24	**TOTALS - UNITED STATES**	627.34	17,008.60	2,272.33	27,338.56	743.37	89,228.88	8,805.76	4,133.97	446.59	24

TABLE 9A

WATER TREATMENT EXPENSES AND COOLING FACILITY COSTS, BY REGION AND STATE, 1975

LINE NO	GEOGRAPHIC REGION AND STATE	COSTS OF INSTALLED FACILITIES ($1,000)				ANNUAL EXPENSES ($1,000)				LINE NO
		COOLING WATER				COOLING WATER		BOILER WATER MAKEUP & BLOWDOWN TREATMENT		
		ONCE THROUGH FRESH	ONCE THROUGH SALINE	COOLING PONDS	COOLING TOWERS	OPERATION MAINTENANCE	CHEMICAL ADDITIONS	OPERATION MAINTENANCE	CHEMICAL ADDITIONS	
	NEW ENGLAND									
1	CONNECTICUT	1,557.00	11,089.70		4,628.18	1,703.41	152.74	610.29	351.37	1
2	MAINE		14,773.70			16.60	16.20	80.80	71.00	2
3	MASSACHUSETTS	3,730.00	20,916.90	31,400.00	371.24	1,641.93	90.45	1,182.69	583.35	3
4	NEW HAMPSHIRE	1,864.00	2,744.00	2,400.00		405.20	25.00	190.00	85.50	4
5	RHODE ISLAND		1,660.00			2.50	4.60	10.00	56.20	5
6	VERMONT				10,000.00		10.27		.50	6
7	**TOTALS**	**7,151.00**	**51,184.30**	**33,800.00**	**14,999.42**	**3,769.66**	**299.26**	**2,073.78**	**1,147.92**	7
	MIDDLE ATLANTIC									
8	NEW JERSEY	5,904.40	28,641.80	125.70	7,352.70	1,212.92	235.58	1,297.33	1,010.81	8
9	NEW YORK	58,436.90	52,387.92			2,914.95	326.00	2,735.59	2,664.35	9
10	PENNSYLVANIA	91,855.05		43.80	72,673.00	9,454.13	665.03	6,653.70	3,135.55	10
11	**TOTALS**	**156,196.35**	**81,029.72**	**169.50**	**80,025.70**	**13,582.00**	**1,226.61**	**10,686.62**	**6,810.71**	11
	EAST NORTH CENTRAL									
12	ILLINOIS	104,106.96		44,612.12	3,466.70	4,618.71	1,155.39	7,875.70	2,542.30	12
13	INDIANA	50,301.80		9,700.00	7,372.72	1,993.99	508.33	2,220.99	886.69	13
14	MICHIGAN	49,146.00		1.10	20,541.80	2,745.97	411.98	10,205.93	1,390.44	14
15	OHIO	64,951.80			44,757.00	8,068.06	604.70	4,137.30	1,449.16	15
16	WISCONSIN	25,723.50		5,943.00	65.00	900.02	76.67	836.49	1,197.38	16
17	**TOTALS**	**294,230.06**		**60,256.22**	**76,203.22**	**18,326.75**	**2,757.07**	**25,276.41**	**7,465.97**	17
	WEST NORTH CENTRAL									
18	IOWA	12,688.20		314.00	7,544.20	860.20	373.50	820.89	650.19	18
19	KANSAS	4,669.24		7,453.00	16,998.49	886.41	559.22	594.75	238.37	19
20	MINNESOTA	20,278.00		282.00	15,173.30	1,714.41	189.42	531.68	223.45	20
21	MISSOURI	42,385.50		1,237.00	3,222.01	1,918.11	195.69	1,821.66	970.41	21
22	NEBRASKA	17,397.60			2,899.00	808.90	177.36	360.00	252.90	22
23	NORTH DAKOTA	2,342.00		850.00	153.90	114.20	3.70	227.50	102.70	23
24	SOUTH DAKOTA	2,337.00		7,781.60	945.00	238.64	74.30	71.40	157.20	24
25	**TOTALS**	**102,097.54**		**17,917.60**	**46,935.90**	**6,540.87**	**1,573.19**	**4,427.88**	**2,595.22**	25
	SOUTH ATLANTIC									
26	DELAWARE		2,918.00		434.00	242.00	37.48	30.00	186.51	26
27	DISTRICT OF COLUMBIA				460.00	153.55		78.16		27
28	FLORIDA	1,677.00			9,081.74	2,660.85	610.86	1,261.99	1,133.70	28
29	GEORGIA	8,133.00	60,520.50	4,347.00	24,397.00	1,532.00	274.50	1,836.00	598.70	29
30	MARYLAND	8,242.00	3,388.30		8,141.00	1,494.92	49.70	775.73	78.90	30
31	NORTH CAROLINA	3,042.00	77,695.00		9,922.00	418.98	60.70	73.92	171.62	31
32	SOUTH CAROLINA	18,129.80	42,300.00	18,884.10	7,628.42	195.14	27.29	159.56	392.80	32
33	VIRGINIA	19,230.56	37.00	34,331.25	5,799.00	2,255.56	88.07	2,588.17	203.88	33
34	WEST VIRGINIA	13,840.00	51,346.00		35,065.00	3,908.00	140.58	949.80	611.13	34
35	**TOTALS**	2,386.00		6,523.00						
		74,680.36	**238,204.80**	**64,085.35**	**100,928.16**	**12,861.00**	**1,289.18**	**7,753.33**	**3,377.24**	35
	EAST SOUTH CENTRAL									
36	ALABAMA	25,394.50	2.00		5,206.00	504.56	1.92	957.80	610.72	36
37	KENTUCKY	40,748.04			26,580.72	837.39	291.31	979.28	471.87	37
38	MISSISSIPPI	12,983.20	5,880.40	1,811.50	2,112.78	1,299.94	230.23	447.64	189.73	38
39	TENNESSEE	19,385.00				416.00	17.50	518.00	312.00	39
40	**TOTALS**	**98,510.74**	**5,882.40**	**1,811.50**	**33,899.50**	**3,057.89**	**540.96**	**2,902.72**	**1,584.32**	40
	WEST SOUTH CENTRAL									
41	ARKANSAS	17,525.97		395.90	1,827.20	168.67	77.61	93.00	70.90	41
42	LOUISIANA	18,154.90	5,325.30	1,411.50	13,465.63	514.40	128.60	698.38	985.96	42
43	OKLAHOMA	1,077.20		9,946.40	7,833.32	291.50	517.64	98.70	122.18	43
44	TEXAS	21,050.00	4,191.00	60,109.88	38,908.66	2,743.51	1,220.84	975.39	1,620.91	44
45	**TOTALS**	**57,808.07**	**9,516.30**	**71,863.68**	**62,034.81**	**3,718.08**	**1,944.69**	**1,865.47**	**2,799.95**	45
	MOUNTAIN									
46	ARIZONA	356.92		730.00	110,791.43	1,346.14	1,002.11	999.35	182.80	46
47	COLORADO	1,611.00		1,526.00	9,777.05	507.30	549.04	329.38	124.83	47
48	IDAHO				1,184.00	233.70		35.80	4.25	48
49	MONTANA	1,502.70		339.00	5,691.00	998.35	912.90	798.21	180.13	49
50	NEVADA	118.00		11,280.00	6,461.10	1,133.10	277.09	1,862.20	270.42	50
51	NEW MEXICO	150.00			2,381.06	154.44	470.08	362.51	76.64	51
52	UTAH	46.41			12,573.70	159.10	181.86	193.60	198.00	52
53	WYOMING	1,263.00		13,875.00	148,859.34	4,532.13	3,393.08	4,581.05	1,037.07	53
54	**TOTALS**	**5,048.03**								54
	PACIFIC									
55	CALIFORNIA	3,342.00	87,280.40	17,167.00	31,996.90	2,805.16	659.99	2,314.24	989.98	55
56	OREGON				10,797.00	26.02	45.20	54.78	49.05	56
57	WASHINGTON	3,056.00								57
58	**TOTALS**	**6,398.00**	**87,280.40**	**17,167.00**	**42,793.90**	**2,831.18**	**705.19**	**2,369.02**	**1,039.03**	58
	NON-CONTIGUOUS U.S.									
59	ALASKA	368.00				6.59	.39	9.89	.58	59
60	HAWAII		11,201.15			130.20		80.50	102.00	60
61	PUERTO RICO					80.00	25.65	194.00	239.39	61
62	VIRGIN ISLANDS									62
63	**TOTALS**	**368.00**	**11,201.15**			**216.79**	**26.04**	**284.39**	**341.97**	63
64	**U.S. TOTALS**	**802,488.15**	**484,299.07**	**280,945.85**	**606,679.95**	**69,436.33**	**13,755.27**	**62,220.67**	**28,199.40**	64

TABLE 9-B

WATER TREATMENT EXPENSES AND COOLING FACILITY COSTS, BY WATER RESOURCE REGION, 1975

LINE NO	WATER RESOURCE REGION	COSTS OF INSTALLED FACILITIES ($1,000)				ANNUAL EXPENSES ($1,000)				LINE NO
		COOLING WATER				COOLING WATER		BOILER WATER MAKEUP & BLOWDOWN TREATMENT		
		ONCE THROUGH FRESH	ONCE THROUGH SALINE	COOLING PONDS	COOLING TOWERS	OPERATION MAINTENANCE	CHEMICAL ADDITIONS	OPERATION MAINTENANCE	CHEMICAL ADDITIONS	
1	NEW ENGLAND	7,151.00	61,298.30	33,800.00	4,999.42	4,055.64	294.99	2,273.78	1,601.42	1
2	MIDDLE ATLANTIC	123,903.85	177,197.72	6,692.50	64,424.70	13,288.37	856.34	11,168.81	5,592.66	2
3	SOUTH ATLANTIC - GULF	69,939.86	137,805.20	56,196.35	57,495.16	6,256.29	1,161.73	5,536.61	2,869.13	3
4	GREAT LAKES	135,847.50		1.10	20,553.92	6,220.94	776.23	13,100.45	2,545.72	4
5	OHIO	159,973.74		9,703.12	155,262.32	15,413.26	1,900.52	7,045.81	4,070.42	5
6	TENNESSEE	33,052.00		1,366.00	2,016.00	953.64	56.76	2,836.96	556.53	6
7	UPPER MISSISSIPPI	125,157.76		58,929.60	22,501.10	7,162.74	1,613.94	8,281.99	4,331.49	7
8	LOWER MISSISSIPPI	46,889.07	5,325.30	2,707.40	14,056.21	1,647.91	188.03	825.32	1,198.20	8
9	SOURIS - RED - RAINY	1,400.00			542.00	8.81	1.16	54.78	16.10	9
10	MISSOURI	45,137.20		9,706.00	22,186.66	2,496.03	1,036.53	2,263.60	842.23	10
11	ARKANSAS - WHITE - RED	25,166.84		18,936.46	34,506.31	2,538.82	1,306.22	1,021.13	773.72	11
12	TEXAS - GULF	21,050.00	4,191.00	53,042.32	25,022.66	1,784.21	820.89	776.79	1,388.30	12
13	RIO GRANDE				10,766.50	1,227.20	373.59	285.50	159.92	13
14	UPPER COLORADO	532.00		11,629.00	8,445.71	929.82	631.09	2,100.82	439.51	14
15	LOWER COLORADO	356.92		730.00	112,336.13	1,698.09	1,234.14	1,362.07	221.00	15
16	GREAT BASIN	164.41		339.00	8,771.25	706.59	771.88	632.84	212.05	16
17	COLUMBIA - NORTH PACIFIC	3,056.00			10,797.00	26.02	45.20	54.78	49.05	17
18	CALIFORNIA - SOUTH PACIFIC	3,342.00	87,280.40	17,167.00	31,996.90	2,805.16	659.99	2,314.24	989.98	18
19	**TOTALS - CONTIGUOUS U.S.**	**802,120.15**	**473,097.92**	**280,945.85**	**606,679.95**	**69,219.54**	**13,729.23**	**61,936.28**	**27,857.43**	19
20	ALASKA	368.00				6.59	.39	9.89	.58	20
21	HAWAII		11,201.15			130.20		80.50	102.00	21
22	PUERTO RICO					80.00	25.65	194.00	239.39	22
23	**TOTALS - NON-CONTIGUOUS U.S.**	**368.00**	**11,201.15**			**216.79**	**26.04**	**284.39**	**341.97**	23
24	**TOTALS - UNITED STATES**	**802,488.15**	**484,299.07**	**280,945.85**	**606,679.95**	**69,436.33**	**13,755.27**	**62,220.67**	**28,199.40**	24

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	ALABAMA ELECTRIC COOP.	ALABAMA ELECTRIC COOP.	ALABAMA POWER CO.	ALABAMA POWER CO.	ALABAMA POWER CO..	
NAME OF PLANT	MCWILLIAMS	TOMBIGBEE	BARRY	CHICKASAW	GASTON	
UTILITY-PLANT CODE	004000-0200	004000-0500	004500-0200	004500-0400	004500-0450	
STATE	ALABAMA	ALABAMA	ALABAMA	ALABAMA	ALABAMA	
COUNTY	COVINGTON	WASHINGTON	MOBILE	MOBILE	SHELBY	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	004 03	004 03	003 03	003 03	004 03	
PLANT CAPACITY (MW)[3]	40.00	75.00	1,770.80	138.00	2,012.80	
ANNUAL GENERATION (MWH)[3]	222,600	135,400	6,819,800	310,900	4,788,200	
PLANT HEAT RATE (BTU/KWH)[3]	12,860	11,745	10,695	13,785	17,858	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	18.29	67.40	3,027.32	75.26	3,631.48	
AVERAGE HEAT CONTENT (BTU/LB)	11,664	11,625	11,567	11,943	11,690	
AVERAGE SULFUR CONTENT (%)	1.79	.99	1.40	1.62	1.86	
AVERAGE ASH CONTENT (%)	13.34	15.72	13.90	13.27	13.90	
AVERAGE MOISTURE CONTENT (%)	7.18	6.74	7.67	7.07	7.20	
OIL: CONSUMPTION (1,000 BARRELS)		2.31	211.58	110.30	95.71	
AVERAGE HEAT CONTENT (BTU/GAL)		130,500	136,595	136,610	138,204	
AVERAGE SULFUR CONTENT (%)		.40	.50	.50	.50	
GAS: CONSUMPTION (1,000 MCF)	2,370.17		1,593.65	1,813.12		
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,027		1,051	1,026		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	3	1	5	3	5	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION	3					
- NO. WITH MECHANICAL PRECIPITATORS	3	1	3	3		
- NO. WITH ELECTROSTATIC PRECIPITATORS	1		2		4	
- NO. WITH COMBINATION PRECIPITATORS[4]		1			1	
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), SMALLEST - HIGHEST BOILER[5]						
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, SMALL - HIGH	25.00 30.00	18.00	15.00 18.00	15.00 22.00	15.00 23.00	
TESTED, SMALL - HIGH	84.00 90.00	85.00	84.00 85.00	85.00		
ESTIMATED, SMALL - HIGH	85.00 88.00	70.00	75.00	80.00		
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[4]: DESIGN, SMALL - HIGH	99.30	99.30	98.00 98.50		95.00 99.00	
TESTED, SMALL - HIGH	97.52				99.60 99.80	
EST., SMALL - HIGH			50.00 75.00		60.00 99.00	
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, SMALL - HIGH						
TESTED, SMALL - HIGH						
ESTIMATED, SMALL - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.35	2.70	111.95	1.70	46.02	
SULFUR DIOXIDE (1,000 TONS)	.64	1.31	83.42	2.57	132.55	
NITROGEN OXIDES (1,000 TONS)	.62	.61	28.04	1.28	32.89	
STACKS: - TOTAL NO.	2	1	4	3	5	
- HEIGHT (FEET), SMALLEST - HIGHEST[8]	150.00	250.00	200.00 600.00	174.50	250.00 750.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]	2.09	9.00	315.50	8.40	461.50	
SOLD (1,000 TONS)[11]					21.00	
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	40.60	37.00	955.00	269.00		
ELECTROSTATIC PRECIPITATORS ($1,000)	1,038.00		3,566.00		6,255.00	
COMBINATION PRECIPITATORS ($1,000)[4]		1,968.00				
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	52.80	132.00	2,389.00	11.00	2,772.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	1.91	5.72	1,160.70	38.40	1,112.00	
REVENUES FROM SALE OF ASH ($1,000)					2.10	
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	11.69	5.71	1,878.20	43.50	1,512.60	
TOTAL BYPRODUCT SALES REVENUES ($1,000)					2.10	

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	R CONECUH	R TOMBIGBEE	R MOBILE	R MOBILE	R COOSA	
AVERAGE RATE OF WITHDRAWAL (CFS)	63.79	58.41	1,347.00	165.70	1,065.10	
AVERAGE RATE OF DISCHARGE (CFS)	63.79	.16	1,347.00	165.70	1,053.10	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.55	.50 58.26	11.58	1.43	9.16 12.00	
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG OEC	JUL JAN	AUG OEC	AUG OEC	AUG OEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	84.00 55.60	93.00 59.00	88.00 56.00	87.00 61.00	100.00 56.00	
AT OUTFALL, SUMMER - WINTER	94.40 74.90	105.00 75.00	116.00 98.00	104.00 86.00	108.00 71.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	1,475.00	13,060.00	34,715.00	34,715.00	10,001.00	
- WINTER		97,087.00			15,721.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	C	C	C	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.04	.12	1.10	.49		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUR	.06			.85	2.88	
LIME (TONS), COOLING WATER - BOILER MAKEUR			49.51		15.00	
ALUM (TONS), COOLING WATER - BOILER MAKEUR			3.76		4.28	
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP[17]	1.89	1.00	YES	YES	YES	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES	YES				
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	ST	ST/OT	ST/OT	ST/OT	
RECEIVING WATER BODY	R CONECUH		R MOBILE	R MOBILE	R COOSA	
POND DISCHARGE:[18] RM, BOILER BLOWDOWN - ASH SETTLING	6.60		9.00 7.00	9.00 7.00	10.00 10.20	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			29.00 50.00	5.00 25.00	.02 5.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING			208.00	10.00	320,000.00	
			360,000.00	2,500.00	950,000.00	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[19]: ONCE THROUGH COOLING (FRESH)	3 40.00	1 75.00	5 1,770.81	3 138.00	4 1,060.80	
ONCE THROUGH COOLING (SALINE)						
COOLING PONDS					1 952.00	
COOLING TOWERS						
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: SMALLEST SYSTEM - NEWEST SYSTEM	1953 1958	1969	1953 1971	1941 1951	1960 1974	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST LARGEST[22]		15.00	17.00 24.00	14.00	12.98 22.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	99.40	115.86	1,731.70	326.60	2,100.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	198.80	115.86	1,731.50	333.30	1,420.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	260.90	1,293.60	2,810.00	2.00	5,898.00	
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)					5,206.00	

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	12.97	50.79	46.40	21.00	42.60	
COST OF CHEMICAL ADDITIVES ($1,000)	1.58	.14				

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	5.10	10.50	329.90	9.30	149.60	
COST OF CHEMICAL ADDITIVES ($1,000)	.79	3.83	182.00	9.50	173.60	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	ALABAMA POWER CO.	ALABAMA POWER CO.	ALABAMA POWER CO.	ALEXANDRIA ELEC. LIGHT & WATER WORKS	AMES, CITY OF	
4	NAME OF PLANT	GADSDEN	GORGAS #2 & #3	GREENE	HUNTER	AMES	
5	UTILITY-PLANT CODE	004500-0500	004500-0600	004500-0800	007000-0200	010500-0100	
6	STATE	ALABAMA	ALABAMA	ALABAMA	LOUISIANA	IOWA	
7	COUNTY	ETOWAH	WALKER	GREENE	RAPIDES	STORY	
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	003 03	004 03	004 03	106 11	002 07	
9	PLANT CAPACITY (MW)	138.00	1,545.70	568.48	173.70	53.15	
10	ANNUAL GENERATION (MWH)[3]	459,300	7,097,000	2,626,300	398,743	204,000	
11	PLANT HEAT RATE (BTU/KWH)[3]	11,829	10,047	9,798	12,950	13,350	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	223.01	3,090.68	1,080.26		69.40	
13	AVERAGE HEAT CONTENT (BTU/LB)	11,614	11,480	11,837		9,515	
14	AVERAGE SULFUR CONTENT (%)	1.34	1.62	2.43		2.94	
15	AVERAGE ASH CONTENT (%)	11.96	14.62	14.10		9.44	
16	AVERAGE MOISTURE CONTENT (%)	8.88	7.06	7.45		18.82	
17	OIL: CONSUMPTION (1,000 BARRELS)	4.43	58.94	26.92		5.83	
18	AVERAGE HEAT CONTENT (BTU/GAL)	137,343	138,959	136,610		136,600	
19	AVERAGE SULFUR CONTENT (%)	.50	.50	.50		.50	
20	GAS: CONSUMPTION (1,000 MCF)	221.55			4,931.61	1,390.07	
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,027			1,047	985	

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	2	7	2	4	3			
23	- NO. OF WET BOTTOM					1			
24	- NO. WITH FLY ASH REINJECTION					2			
25	- NO. WITH MECHANICAL PRECIPITATORS		2			2			
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	2	3	2		1			
27	- NO. WITH COMBINATION PRECIPITATORS[4]								
28	- NO. WITH DESULFURIZATION SYSTEMS								
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]								
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	20.00	15.00 18.00	18.00 20.00	10.00	21.00 50.00			
31	TESTED, LOW - HIGH		84.00			93.00 94.00			
32	ESTIMATED, LOW - HIGH								
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH		80.00						
34	TESTED, LOW - HIGH	98.00	99.00 99.50	98.00		93.00 94.00			
35	EST., LOW - HIGH	92.00 93.00	99.40 99.90			99.00			
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	80.00 90.00	93.00 98.00	85.00		99.00			
37	TESTED, LOW - HIGH								
38	ESTIMATED, LOW - HIGH								

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	3.37	50.60	19.42		.14			
40	SULFUR DIOXIDE (1,000 TONS)	5.86	98.23	51.50		4.01			
41	NITROGEN OXIDES (1,000 TONS)	2.06	27.95	9.78	.94	1.25			
42	STACKS: - TOTAL NO.	2	5	2	4	2			
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	153.30	178.00 750.00	300.00	63.50 115.00	200.00			
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]								
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	23.40	403.60	134.10		6.56			
46	SOLD (1,000 TONS)[11]								
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)								
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]								
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)								
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)		431.00						
51	ELECTROSTATIC PRECIPITATORS ($1,000)	800.00	8,330.00	1,071.00		65.00			
52	COMBINATION PRECIPITATORS ($1,000)[4]					250.00			
53	DESULFURIZATION SYSTEMS ($1,000)								
54	STACKS ($1,000)	11.00	2,541.00	296.00		465.00			
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	96.50	1,080.20	320.70		23.00			
56	REVENUES FROM SALE OF ASH ($1,000)								
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)								
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)								
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	219.10	1,828.60	605.00		23.00			
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)								

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	R COOSA	R WARRIOR	R WARRIOR	W	M			
62	AVERAGE RATE OF WITHDRAWAL (CFS)	157.30	1,231.00	608.40	80.00	.56			
63	AVERAGE RATE OF DISCHARGE (CFS)	157.30	1,231.00	662.40	75.00	.06			
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.35	10.59	5.75 5.70	5.00	.50			
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG	OEC AUG	OEC AUG	OEC	AUG OEC	JUL	OEC	
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	88.00	54.00 81.00	65.00 93.00	60.00	85.00 80.00	95.00		
67	AT OUTFALL, SUMMER - WINTER	103.00	71.00 97.00	81.00 105.00	75.00	98.00 90.00		75.00	
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		5,726.00	2,599.00	7,177.00	98.00		.06	
69	- WINTER		10,965.00	4,898.00	11,315.00			.06	
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	C	C	H				
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		.10	.60		.01		.07	
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		.28			10.26		.03	
73	LIME (TONS), COOLING WATER - BOILER MAKEUP								
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP			3.50					
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP			2.00	2.20		10.60		
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]		YES	YES		YES	YES	YES	YES
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT	OT	OT	PS/SW		PS		
78	RECEIVING WATER BODY[19]	R COOSA	R WARRIOR	R BLACK WARRIOR	O CITY SEWAGE				
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	9.00 7.00	9.00 7.00	9.00 6.00				8.00	
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	130.00	5.00 5.00	5.00 5.00					
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	8.40	260.00	2.00					
82	- ASH SETTLING	5,000.00		4,500.00					

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	2 138.00	7 1,545.70	2 568.48					
84	ONCE THROUGH COOLING (SALINE)								
85	COOLING PONDS)								
86	COOLING TOWER(S)				4 181.50	3 57.65			
87	COMBINATIONS[21]								
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1949	1929 1972	1965	1956 1974	1950 1968			
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST LARGEST[22]	20.00	15.60 22.00	16.00	15.00	13.50 19.00			
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	263.00	1,846.50	612.00	310.00	109.20			
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	263.00	1,846.50	612.00					

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	306.00	3,392.00	1,726.00					
93	COOLING PONDS ($1,000)								
94	COOLING TOWERS ($1,000)				286.00	208.00			

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	14.80	50.70	18.10	67.00	158.00			
96	COST OF CHEMICAL ADDITIVES ($1,000)				.40	22.72			

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	16.40	167.80	60.40	39.00	3.50			
98	COST OF CHEMICAL ADDITIVES ($1,000)	9.40	66.70	37.90	6.00	2.65			

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	APPALACHIAN POWER CO	APPALACHIAN POWER CO	APPALACHIAN POWER CO	APPALACHIAN POWER CO	APPALACHIAN POWER CO
2						
3		CABIN CREEK	CLINCH RIVER	GLEN LYN	KANAWHA RIVER	AMOS
4	NAME OF PLANT	014000-0300	014000-0500	014000-0600	014000-0700	014000-0800
5	UTILITY-PLANT CODE	WEST VIRGINIA	VIRGINIA	VIRGINIA	WEST VIRGINIA	WEST VIRGINIA
6	STATE	KANAWHA	RUSSELL	NILES	KANAWHA	KANAWHA
7	COUNTY	234 05	207 06	226 05	234 05	234 05
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	273.50	669.00	401.10	426.00	2,900.00
9	PLANT CAPACITY (MW)	211,600	4,503,000	1,364,100	2,472,700	15,575,700
10	ANNUAL GENERATION (MWH)[3]	14,364	9,135	10,146	9,504	9,505
11	PLANT HEAT RATE (BTU/KWH)[3]					

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	123.20	1,765.70	568.20	1,013.50	6,423.60
13	AVERAGE HEAT CONTENT (BTU/LB)	12,134	11,549	12,058	11,533	11,371
14	AVERAGE SULFUR CONTENT (%)	.79	.70	.99	.83	.90
15	AVERAGE ASH CONTENT (%)	11.89	18.01	15.50	16.26	16.45
16	AVERAGE MOISTURE CONTENT (%)	6.82	6.56	5.58	6.25	6.83
17	OIL: CONSUMPTION (1,000 BARRELS)		7.50	24.00	6.00	197.90
18	AVERAGE HEAT CONTENT (BTU/GAL)		136,506	134,728	140,000	138,516
19	AVERAGE SULFUR CONTENT (%)		.10	.10	.10	.10
20	GAS: CONSUMPTION (1,000 MCF)	48.50				
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,100				

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	4	3	3	2	3
23	- NO. OF WET BOTTOM					
24	- NO. WITH FLY ASH REINJECTION					
25	- NO. WITH MECHANICAL PRECIPITATORS	4	3	3	2	3
26	- NO. WITH ELECTROSTATIC PRECIPITATORS					
27	- NO. WITH COMBINATION PRECIPITATORS[4]					
28	- NO. WITH DESULFURIZATION SYSTEMS					
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00	20.00	15.00 20.00	15.00	18.00 20.00
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH					
31	TESTED, LOW - HIGH					
32	ESTIMATED, LOW - HIGH	97.50	99.70	99.70	98.50	98.50 99.75
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH					
34	TESTED, LOW - HIGH	98.90 99.30	96.82 99.91	99.77 99.96	99.50	93.50 99.75
35	EST., LOW - HIGH					
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH					
37	TESTED, LOW - HIGH					
38	ESTIMATED, LOW - HIGH					

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.11	3.71	.05	.70	31.78
40	SULFUR DIOXIDE (1,000 TONS)	1.91	24.23	11.03	16.49	113.38
41	NITROGEN OXIDES (1,000 TONS)	1.12	15.91	5.17	9.14	58.25
42	STACKS: - TOTAL NO.	1	2	2	1	2
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	260.00	450.00	225.00 435.00	325.00	903.00
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]				.50	
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	19.00	312.30	87.50	167.80	1,000.30
46	SOLD (1,000 TONS)[11]	20.10	12.50	15.30	34.40	102.70
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)					
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]					
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)					
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			13,000.00	2,966.00	12,075.00
51	ELECTROSTATIC PRECIPITATORS ($1,000)	1,300.00				
52	COMBINATION PRECIPITATORS ($1,000)[4]				519.00	8,387.00
53	DESULFURIZATION SYSTEMS ($1,000)		461.00		424.50	2,117.00
54	STACKS ($1,000)		705.60	894.50	49.90	51.40
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	84.10	9.47	3.94		
56	REVENUES FROM SALE OF ASH ($1,000)	2.23				
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)					
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)			894.50	528.00	2,117.00
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	84.10	705.60	3.94	49.90	51.40
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	2.23	9.47			

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE[14]	R KANAWHA	R CLINCH	R NEW	R KANAWHA	R KANAWHA
62	AVERAGE RATE OF WITHDRAWAL (CFS)	150.00		535.00	640.00	63.67
63	AVERAGE RATE OF DISCHARGE (CFS)	150.00		535.00	640.00	25.02
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.29		4.60	5.50	38.65
65	SUMMER - WINTER[15]	AUG OEC	AUG OEC	AUG DEC	AUG OEC	AUG OEC
66	PEAK LOAD MONTH : SUMMER - WINTER	86.00 48.00	82.00 60.00	83.00 50.00	86.90 46.80	87.00 68.00
67	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT CIVERSION, SUMMER - WINTER	101.00 55.00	95.00 85.00	97.00 64.00	99.50 61.00	7,400.00
68	AT OUTFALL, SUMMER - WINTER	3,699.00	904.00	2,390.00	3,699.00	41,000.00
69	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS):	7,451.00	449.00	3,369.00	7,451.00	
70	- WINTER	C	C	C	C	C
71	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	.15	.14	.17	.15	.05
72	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.05	.14	.21	.25	1,058.26
73	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP			8.30		
74	LIME (TONS), COOLING WATER - BOILER MAKEUP					
75	ALUM (TONS), COOLING WATER - BOILER MAKEUP	.37	28.00	.08	3.00	30.00 2.00
76	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP[17]	YES	YES YES	9.00 YES	YES	YES YES
77	OTHER (YES/NO),					
78	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	R KANAWHA	R CLINCH	R NEW		R KANAWHA
79	RECEIVING WATER BODY	10.70 5.24		8.80	6.00 6.00	7.10
80	POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING	15.00 54.00		30.00	39.60 39.60	35.00
81	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	27.00			4,150.00	
82	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING	23,000.00		66,000.00	4,150.00	

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	2 180.00		2 336.10	2 426.00	
84	ONCE THROUGH COOLING (SALINE)					
85	COOLING PONDS[21]					3 2,900.00
86	COOLING TOWERS[21]		3 720.00			
87	COMBINATIONS[21]					
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1942 1943	1958 1961	1944 1957	1953	1971 1973
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F); SMALLEST - LARGEST[22]	12.00	19.00	11.60 12.56	12.00	20.00 29.00
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	400.00	735.00	526.00	640.00	2,065.00
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	400.00		526.00	640.00	

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)			636.00		
93	COOLING PONDS ($1,000)					15,257.00
94	COOLING TOWERS ($1,000)		2,016.00			

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)			25.66	.20	44.28
96	COST OF CHEMICAL ADDITIVES ($1,000)		40.10	2.25	.75	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)			4.07	11.90	99.33
98	COST OF CHEMICAL ADDITIVES ($1,000)	.50	11.60	2.81	4.10	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	ARIZONA ELECTRIC POWER COOP	ARIZONA PUBLIC SERVICE CO	ARIZONA PUBLIC SERVICE CO	ARIZONA PUBLIC SERVICE CO.	ARIZONA PUBLIC SERVICE CO	1
2						2
3						3
4 NAME OF PLANT	APACHE	CHOLLA	FOUR CORNERS	OCOTILLO	PHOENIX	4
5 UTILITY-PLANT CODE	016500-0100	017000-0200	017000-0300	017000-0500	017000-0600	5
6 STATE	APIZONA	ARIZONA	NEW MEXICO	ARIZONA	ARIZONA	6
7 COUNTY	COCHISE	NAVAJO	SAN JUAN	MARICOPA	MARICOPA	7
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	012 15	014 15	014 14	015 15	015 15	8
9 PLANT CAPACITY (MW)	173.00	113.60	2,212.20	227.20	116.00	9
10 ANNUAL GENERATION (MWH)[3]	335,100	803,000	10,484,000	586,800	68,000	10
11 PLANT HEAT RATE (BTU/KWH)[3]	10,992	10,401	10,317	11,538	14,521	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)		415.20	6,073.10				12
13 AVERAGE HEAT CONTENT (BTU/LB)		10,004	8,762				13
14 AVERAGE SULFUR CONTENT (%)		.54	.51				14
15 AVERAGE ASH CONTENT (%)		13.31	22.58				15
16 AVERAGE MOISTURE CONTENT (%)		15.33	11.49				16
17 OIL: CONSUMPTION (1,000 BARRELS)	225.00			755.20	129.00		17
18 AVERAGE HEAT CONTENT (BTU/GAL)	137,496			146,806	143,089		18
19 AVERAGE SULFUR CONTENT (%)	.21			.53	.75		19
20 GAS: CONSUMPTION (1,000 MCF)	2,228.10	52.40	879.90	1,975.70	198.00		20
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,070	919	1,080	1,070	1,072		21

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	1	1	5	2	3		22
23 - NO. OF WET BOTTOM							23
24 - NO. WITH FLY ASH REINJECTION							24
25 - NO. WITH MECHANICAL PRECIPITATORS		1					25
26 - NO. WITH ELECTROSTATIC PRECIPITATORS			2				26
27 - NO. WITH COMBINATION PRECIPITATORS[4]							27
28 - NO. WITH DESULFURIZATION SYSTEMS		1	3				28
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00	15.00	12.50 16.00	7.00	7.00		29
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		80.00					30
31 TESTED, LOW - HIGH							31
32 ESTIMATED, LOW - HIGH		80.00					32
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH			97.00				33
34 TESTED, LOW - HIGH							34
35 EST., LOW - HIGH			97.00				35
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH			99.50				36
37 TESTED, LOW - HIGH		80.00					37
38 ESTIMATED, LOW - HIGH		80.00					38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.74	6.32	20.67	.13	.02		39
40 SULFUR DIOXIDE (1,000 TONS)	.16	4.39	60.55	1.34	.32		40
41 NITROGEN OXIDES (1,000 TONS)	.88	3.75	54.68	2.05	.28		41
42 STACKS: - TOTAL NO.	1	1	4	2	3		42
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	157.00	250.00	250.00 300.00	178.00	103.00 135.00		43
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]		.58	80.80				44
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]		55.00	1,368.00				45
46 SOLD (1,000 TONS)[11]		2.80	6.00				46
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)		240.80					50
51 ELECTROSTATIC PRECIPITATORS ($1,000)			8,344.00				51
52 COMBINATION PRECIPITATORS ($1,000)[4]							52
53 DESULFURIZATION SYSTEMS ($1,000)		6,500.00	27,942.00				53
54 STACKS ($1,000)		174.00	802.40	186.00			54
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		245.00	6,331.00				55
56 REVENUES FROM SALE OF ASH ($1,000)		1.60	3.00				56
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		339.00	6,765.00				59
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)		1.60	3.00				60

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	W	W	R SAN JUAN	W			61
62 AVERAGE RATE OF WITHDRAWAL (CFS)	1.54	4.70	35.41	2.27	2.90		62
63 AVERAGE RATE OF DISCHARGE (CFS)	.15	.50	9.51	.50			63
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.39	4.20	23.62	2.27	2.90		64
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	MAY MAR				AUG JAN		65
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	80.00 75.00		69.00 34.00		85.00 85.00		66
67 AT OUTFALL, SUMMER - WINTER	87.00 89.00		70.00 39.00		90.00 90.00		67
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	2.15		34.27				68
69 - WINTER	1.18		34.27				69
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	O	O	O	O	O		70
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	12.08	.01	1.20	21.24 .09	3.92 .10		71
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	36.82		139.37	237.60			72
73 LIME (TONS), COOLING WATER - BOILER MAKEUP			80.78				73
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP			17.50				74
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	8.00	6.00	38.00	14.00	5.45		75
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES	YES	YES	YES YES		76
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	ST	ST		ST		77
78 [19] RECEIVING WATER BODY	O LEACHING FIELD		L MORGAN				78
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	10.50	8.00	8.84				79
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	200.00		35.00				80
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	93.74						81
82 - ASH SETTLING			77,000.00				82

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)							83
84 ONCE THROUGH COOLING (SALINE)							84
85 COOLING PONDS(S)		1 113.60	5 2,212.20				85
86 COOLING TOWER(S)	1 75.00			2 227.20	3 102.50		86
87 COMBINATIONS[21]							87
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1964	1962	1963	1960	1948 1972		88
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	15.00	18.31	16.13 20.00	19.20	70.00 76.00		89
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	133.69	129.20	2,512.20	258.40	219.30		90
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)							91

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)							92
93 COOLING PONDS ($1,000)		730.00	11,280.00				93
94 COOLING TOWERS ($1,000)	774.70			757.50			94

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	8.20	13.00	242.00	10.78	3.30		95
96 COST OF CHEMICAL ADDITIVES ($1,000)	21.30	3.00	10.00	58.34	8.00		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	10.00	42.60	1,402.00	32.10	2.20		97
98 COST OF CHEMICAL ADDITIVES ($1,000)	10.40	3.90	212.00	51.83	1.00		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	ARIZONA PUBLIC SERVICE CO.	ARIZONA PUBLIC SERVICE CO.	ARKANSAS ELECTRIC COOP CORP.	ARKANSAS ELECTRIC COOP CORP.	ARKANSAS ELECTRIC COOP CORP.
NAME OF PLANT	SAGUARO	YUCCA	EITZHUGH	BAILEY	MCCLELLAN
UTILITY-PLANT CODE	017000-0700	017000-0900	017500-0100	017500-0200	017500-0300
STATE	ARIZONA	ARIZONA	ARKANSAS	ARKANSAS	ARKANSAS
COUNTY	PINAL	YUMA	FRANKLIN	WOODRUFF	OUACHITA
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	015 15	013 15	021 11	020 11	019 08
PLANT CAPACITY (MW)	250.00	86.70	59.84	120.00	136.00
ANNUAL GENERATION (MWH)[3]	397,000	273,000	110,400	176,200	192,900
PLANT HEAT RATE (BTU/KWH)[4]	12,145	12,231	11,329	10,910	12,635

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	596.60	302.60	96.60	109.60	381.40
AVERAGE HEAT CONTENT (BTU/LB)	148,497	148,897	152,422	152,500	150,000
AVERAGE SULFUR CONTENT (%)	.70	.60	2.09	2.80	2.80
AVERAGE ASH CONTENT (%)	1,027.80	1,373.90	302.25	776.40	33.60
AVERAGE MOISTURE CONTENT (%)	1,071	1,053	1,015	1,013	1,018
OIL: CONSUMPTION (1,000 BARRELS)					
AVERAGE HEAT CONTENT (BTU/GAL)					
AVERAGE SULFUR CONTENT (%)					
GAS: CONSUMPTION (1,000 MCF)					
AVERAGE HEAT CONTENT (BTU/CU.FT.)					

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	1	1	1	1
- NO. OF WET BOTTOM					
- NO. WITH FLY ASH REINJECTION					
- NO. WITH MECHANICAL PRECIPITATORS					
- NO. WITH ELECTROSTATIC PRECIPITATORS					
- NO. WITH COMBINATION PRECIPITATORS[4]					
- NO. WITH DESULFURIZATION SYSTEMS					
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	15.00	7.00	7.00	5.00	10.00
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH					
TESTED, LOW - HIGH					
ESTIMATED, LOW - HIGH					
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH					
TESTED, LOW - HIGH					
EST., LOW - HIGH					
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH					
TESTED, LOW - HIGH					
ESTIMATED, LOW - HIGH					

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.10	.05	.02	.02	.06
SULFUR DIOXIDE (1,000 TONS)	1.40	.61	.87	1.03	3.58
NITROGEN OXIDES (1,000 TONS)	1.52	.94	.27	.39	.85
STACKS: - TOTAL NO.	1	1	1	1	1
- HEIGHT (FEET), LOWEST - HIGHEST[8]	160.00	146.50	179.00	167.00	160.00
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]					
TOTAL ASH: COLLECTED (1,000 TONS)[10]					
SOLD (1,000 TONS)[11]					
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)					
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]					
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)					
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)					
ELECTROSTATIC PRECIPITATORS ($1,000)					
COMBINATION PRECIPITATORS ($1,000)					
DESULFURIZATION SYSTEMS ($1,000)	106.40		29.00	29.00	44.25
STACKS ($1,000)					
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)					
REVENUES FROM SALE OF ASH ($1,000)					
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)					
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)					
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]					
TOTAL BYPRODUCT SALES REVENUES ($1,000)					

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	M	M	R ARKANSAS	R WHITE	R OUACHITA
AVERAGE RATE OF WITHDRAWAL (CFS)	1.40	.98	55.00	93.00	75.00
AVERAGE RATE OF DISCHARGE (CFS)	.30		55.00	93.00	75.00
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.40	.98	.47	.80	.65
PEAK LOAD MONTH : SUMMER - WINTER[15]			JUL JAN	JUL JAN	JUL JAN
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT CIVERSION, SUMMER - WINTER			91.00 59.00	76.00 50.00	85.00 45.00
AT OUTFALL, SUMMER - WINTER			104.00 76.00	94.00 67.00	101.00 55.00
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER			29,600.00	17,200.00	3,000.00
- WINTER			19,500.00	15,300.00	11,060.00
FREQUENCY OF TEMPERATURE MONITORING: C, M, D, O[16]	C	C	M	C	O
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	3.76	.03	.20	.04	.03
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	39.76	36.69	.25	.01	
LIME (TONS), COOLING WATER - BOILER MAKEUP					
ALUM (TONS), COOLING WATER - BOILER MAKEUP					
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	10.84	4.15	YES	YES	YES
OTHER (YES/NO), COOLING WATER	YES	YES			
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	ST	R ARKANSAS	ST	ST
[19] RECEIVING WATER BODY					R OUACHITA
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING					
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING					
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING					

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)			1 59.84	1 120.00	1 136.00
ONCE THROUGH COOLING (SALINE)					
COOLING POND(S)					
COOLING TOWER(S)	2 200.00	1 86.70			
COMBINATIONS[21]					
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1954 1955	1959	1962	1966	1972
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	22.60	20.00	14.00	20.70	17.50
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	308.40	86.00	91.35	116.00	156.00
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)			91.40	116.00	156.00

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)			630.00	897.00	1,032.67
COOLING PONDS ($1,000)	414.90	676.00			395.90
COOLING TOWERS ($1,000)					

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	22.52	52.70				
COST OF CHEMICAL ADDITIVES ($1,000)	11.62	16.00				

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	31.29	30.00	2.00	2.00	1.10
COST OF CHEMICAL ADDITIVES ($1,000)	6.43	8.60	5.00	5.00	.10

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	ARKANSAS-MO PWR CO	ARKANSAS POWER & LIGHT CO.	ARKANSAS POWER & LIGHT CO.	ARKANSAS POWER & LIGHT CO.	ARKANSAS POWER & LIGHT CO.	1
4 NAME OF PLANT	HILL	LYNCH	MOSES	COUCH	LAKE CATHERINE	4
5 UTILITY-PLANT CODE	018000-0300	018500-0200	018500-0300	018500-0400	018500-0500	5
6 STATE	MISSOURI	ARKANSAS	ARKANSAS	ARKANSAS	ARKANSAS	6
7 COUNTY	CUNKLIN	PULASKI	ST. FRANCIS	LAFAYETTE	HOT SPRING	7
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	138 08	016 11	020 08	022 11	016 08	8
9 PLANT CAPACITY (MW)	33.00	260.00	138.00	187.00	756.50	9
10 ANNUAL GENERATION (MWH)[3]	5,000	224,300	70,600	398,600	1,294,800	10
11 PLANT HEAT RATE (BTU/KWH)[3]	17,371	14,388	15,137	12,204	11,026	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)						12
13 AVERAGE HEAT CONTENT (BTU/LB)	13.79	134.43	170.37	37.65	799.39	13
14 AVERAGE SULFUR CONTENT (%)	150,160	138,369	149,502	145,877	149,554	14
15 AVERAGE ASH CONTENT (%)	1.30	.19	.80	1.09	1.01	15
16 AVERAGE MOISTURE CONTENT (%)		2,411.96		4,623.60	9,140.66	16
17 OIL: CONSUMPTION (1,000 BARRELS)		1,015		992	1,013	17
18 AVERAGE HEAT CONTENT (BTU/GAL)						18
19 AVERAGE SULFUR CONTENT (%)						19
20 GAS: CONSUMPTION (1,000 MCF)						20
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)						21

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	1	3	2	2	4	22
23 - NO. OF WET BOTTOM						23
24 - NO. WITH FLY ASH REINJECTION						24
25 - NO. WITH MECHANICAL PRECIPITATORS						25
26 - NO. WITH ELECTROSTATIC PRECIPITATORS						26
27 - NO. WITH COMBINATION PRECIPITATORS[4]						27
28 - NO. WITH DESULFURIZATION SYSTEMS						28
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00	7.00	7.00	7.00	7.00 10.00	29
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						30
31 TESTED, LOW - HIGH						31
32 ESTIMATED, LOW - HIGH						32
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH						33
34 TESTED, LOW - HIGH						34
35 EST., LOW - HIGH						35
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37 TESTED, LOW - HIGH						37
38 ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)		.02	.03	.01	.13	39
40 SULFUR DIOXIDE (1,000 TONS)	.06	.09	.46	.14	2.71	40
41 NITROGEN OXIDES (1,000 TONS)	.03	.77	.38	.98	3.55	41
42 STACKS: - TOTAL NO.	1	3	4	3	3	42
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	150.00	147.00 150.00	141.00	147.00 150.00	175.00 195.50	43
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]						45
46 SOLD (1,000 TONS)[11]						46
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						50
51 ELECTROSTATIC PRECIPITATORS ($1,000)						51
52 COMBINATION PRECIPITATORS ($1,000)[4]						52
53 DESULFURIZATION SYSTEMS ($1,000)						53
54 STACKS ($1,000)						54
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	26.00	72.30	24.80	59.20	172.70	55
56 REVENUES FROM SALE OF ASH ($1,000)						56
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]						59
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)						60

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	W	W	RW LANGUILLE	W	L CATHERINE	61
62 AVERAGE RATE OF WITHDRAWAL (CFS)	.89	1.17	.74	1.68	526.80	62
63 AVERAGE RATE OF DISCHARGE (CFS)	.45	.20	.36	.63	526.80	63
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.44	.97	.38	1.05	4.53	64
65 PEAK LOAD MONTH : SUMMER - WINTER[15]			SEP JAN		SEP JAN	65
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	58.00 58.00				66.00 53.00	66
67 AT OUTFALL, SUMMER - WINTER	95.00 80.00				87.00 68.00	67
68 AVE. FLOW IN RECEIVING BODY DUPING PEAK MONTH (CFS): SUMMER	100.00				1,200.00	68
69 - WINTER	100.00				1,800.00	69
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	H	H			H	70
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.21	.26	.22	.57	.12	71
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP						72
73 LIME (TONS), COOLING WATER - BOILER MAKEUP		245.49 4.81	7.30			73
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP			48.65			74
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	.08	3.82	9.05	9.65	28.06	75
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES YES	YES YES	YES YES	YES YES	76
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	PS				77
78 RECEIVING WATER BODY[19]						78
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING						79
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						80
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						81
82 - ASH SETTLING						82

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)					4 734.50	83
84 ONCE THROUGH COOLING (SALINE)						84
85 COOLING POND(S)						85
86 COOLING TOWER(S)	1 33.00	3 259.00	2 138.00	2 187.00		86
87 COMBINATIONS[21]						87
88 COOLING SYSTEM, YEAR OF INSTALLATION: CLOFST SYSTEM - NEWEST SYSTEM	1950	1947 1954	1951	1943 1954	1949 1970	88
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	15.00	16.50 18.00	18.00	15.00 18.00	12.50 18.40	89
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	60.00	367.00	218.00	260.00	1,093.00	90
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)					1,093.00	91

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)					2,092.60	92
93 COOLING PONDS ($1,000)						93
94 COOLING TOWERS ($1,000)	100.30	773.70	464.50	589.00		94

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	22.00	54.90	25.43	85.90	1.44	95
96 COST OF CHEMICAL ADDITIVES ($1,000)	.36	34.29	11.24	9.56	13.51	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	4.00	9.00	3.03	8.42	46.63	97
98 COST OF CHEMICAL ADDITIVES ($1,000)	.05	1.33	.76	.57	13.70	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	ARKANSAS POWER & LIGHT CO.	ARKANSAS POWER & LIGHT CO.	ATLANTIC CITY ELECTRIC CO.	AUSTIN UTILITIES	AUSTIN UTILITIES	1
2						2
3						3
4 NAME OF PLANT	ARKANSAS NUCLEAR	RITCHIE	ENGLAND	AUSTIN/NORTHEAST	AUSTIN/DOWNTOWN	4
5 UTILITY-PLANT CODE	018500-0550	018500-0600	022000-0100	025000-0100	025000-0200	5
6 STATE	ARKANSAS	ARKANSAS	NEW JERSEY	MINNESOTA	MINNESOTA	6
7 COUNTY	POPE	PHILLIPS	CAPE MAY	MOWER	MOWER	7
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	016 08	020 08	150 02	128 07	128 07	8
9 PLANT CAPACITY (MW)	836.00	904.00	475.60	31.90	27.50	9
10 ANNUAL GENERATION (MWH)[3]	4,873,800	2,892,200	2,311,100	108,270	80,971	10
11 PLANT HEAT RATE (BTU/KWH)[3]	10,806	10,710	10,055	13,737	23,383	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)			671.79	27.90	14.20	12
13 AVERAGE HEAT CONTENT (BTU/LB)			12,208	12,047	11,936	13
14 AVERAGE SULFUR CONTENT (%)			2.90	2.05	2.27	14
15 AVERAGE ASH CONTENT (%)			12.58	7.56	7.15	15
16 AVERAGE MOISTURE CONTENT (%)			4.38	9.01	9.08	16
17 OIL: CONSUMPTION (1,000 BARRELS)		2,537.14	1,158.84		69.70	17
18 AVERAGE HEAT CONTENT (BTU/GAL)		149,070	142,198		148,300	18
19 AVERAGE SULFUR CONTENT (%)		.83	.74		2.00	19
20 GAS: CONSUMPTION (1,000 MCF)		14,839.91		814.10	1,136.40	20
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,016		1,000	1,000	21

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.		2	3	1	4	22
23 - NO. OF WET BOTTOM			2			23
24 - NO. WITH FLY ASH REINJECTION			3		4	24
25 - NO. WITH MECHANICAL PRECIPITATORS			1			25
26 - NO. WITH ELECTROSTATIC PRECIPITATORS			2	1		26
27 - NO. WITH COMBINATION PRECIPITATORS[4]						27
28 - NO. WITH DESULFURIZATION SYSTEMS						28
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]		7.00 10.00	5.00 16.00	20.00	20.00	29
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			90.00		85.00	30
31 TESTED, LOW - HIGH						31
32 ESTIMATED, LOW - HIGH			90.00		80.00	32
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH		97.10	98.00	99.50		33
34 TESTED, LOW - HIGH		90.10	95.37	99.50		34
35 EST., LOW - HIGH			90.00			35
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37 TESTED, LOW - HIGH						37
38 ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)		.43	.95	.01	.17	39
40 SULFUR DIOXIDE (1,000 TONS)		7.07	41.06	1.12	1.09	40
41 NITROGEN OXIDES (1,000 TONS)		8.49	21.03	.41	.50	41
42		3	3	1	3	42
43 STACKS: - TOTAL NO.						43
44 - HEIGHT (FEET), LOWEST - HIGHEST[8]	236.00 450.00	250.00 250.50	.12	142.00	130.00	44
45 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]			83.20	2.79	.79	45
46 TOTAL ASH: COLLECTED (1,000 TONS)[10]			9.00			46
47 SOLD (1,000 TONS)[11]						47
48 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						48
49 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						49
50 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)			670.00			50
51 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			744.70	186.40		51
52 ELECTROSTATIC PRECIPITATORS ($1,000)						52
53 COMBINATION PRECIPITATORS ($1,000)[4]						53
54 DESULFURIZATION SYSTEMS ($1,000)		463.40	616.60	5.10	.46	54
55 STACKS ($1,000)			11.00			55
56 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)			2.50			56
57 REVENUES FROM SALE OF ASH ($1,000)						57
58 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						58
59 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)			11.00	5.10	.46	59
60 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]			2.50			60
61 TOTAL BYPRODUCT SALES REVENUES ($1,000)						61

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE[14]	O ILLINOIS BAYOU	R MISSISSIPPI	O GREAT EGG HRBR		R RED CEDAR	61
62 AVERAGE RATE OF WITHDRAWAL (CFS)	1,500.00	504.00	295.00	.40	.43	62
63 AVERAGE RATE OF DISCHARGE (CFS)	1,500.00	504.00	293.00		.17	63
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	12.90	4.33	2.54 2.00	.40	.26	64
65 SUMMER - WINTER[15]	AUG JAN	SEP JAN	AUG FEB	AUG OEC	AUG OEC	65
66 PEAK LOAD MONTH : SUMMER - WINTER	87.00 46.00	83.00 43.00	73.00 48.00		72.00 36.00	66
67 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	101.00 59.00	107.00 76.00	88.00 78.00		82.00 45.00	67
68 AT OUTFALL, SUMMER	16,700.00				16.00	68
69 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER - WINTER	44,800.00				16.00	69
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	H	C		C	70
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		.14	3.48			71
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	17.50	91.60	150.40			72
73 LIME (TONS), COOLING WATER - BOILER MAKEUP			6.35			73
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP		10.83	52.00	2.43	1.50	74
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	12.00	10.83	52.00	2.43	1.50	75
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES YES	YES		76
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST		ST	ST	PS	77
78 RECEIVING WATER BODY[19]	O DARDANELLE RES		O LEACHING FIELD			78
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING			10.10 6.90	7.00		79
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			200.00			80
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN			1,270.00			81
82 - ASH SETTLING			58,600.00	2,133.30		82

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	1 902.34	2 904.00			3 16.00	83
84 ONCE THROUGH COOLING (SALINE)			2 299.20			84
85 COOLING PONDS(S)						85
86 COOLING TOWER(S)			1 176.40	1 31.95	1 11.50	86
87 COMBINATIONS[21]						87
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1974	1961 1967	1962 1974	1971	1935 1954	88
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	15.00	25.00 30.00	15.00 26.00	14.00	12.00	89
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,700.00	685.00	573.50	59.00	.17	90
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,700.00	685.00	432.00		16.00	91

CAPITAL COSTS OF COOLING FACILITIES

92						92
93 ONCE THROUGH COOLING SYSTEMS ($1,000)	7,124.00	5,749.70	1,732.70			93
94 COOLING PONDS ($1,000)						94
95 COOLING TOWERS ($1,000)			7,100.00	126.00		95

ANNUAL COOLING WATER EXPENSES

96 OPERATION AND MAINTENANCE EXPENSES ($1,000)		1.00	100.00			96
97 COST OF CHEMICAL ADDITIVES ($1,000)	3.36	5.65	18.00	12.60	8.36	97

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

98 OPERATION AND MAINTENANCE EXPENSES ($1,000)		20.82	191.20			98
99 COST OF CHEMICAL ADDITIVES ($1,000)	3.90	40.32	47.30	.10	14.45	99

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	BALTIMORE GAS & ELECTRIC CO.	BALTIMORE GAS & ELECTRIC CO.	BALTIMORE GAS & ELECTRIC CO.	BALTIMORE GAS & ELECTRIC CO.	BALTIMORE GAS & ELECTRIC CO.
4	NAME OF PLANT	CALVERT CLIFFS	CRANE	GOULD STREET	WAGNER	RIVERSIDE
5	UTILITY-PLANT CODE	026500-0075	026500-0100	026500-0200	026500-0300	026500-0500
6	STATE	MARYLAND	MARYLAND	MARYLAND	MARYLAND	MARYLAND
7	COUNTY	CALVERT	BALTIMORE	BALTIMORE CITY	ANNE ARUNDEL	BALTIMORE
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	116 02	116 02	115 02	115 02	114 02
9	PLANT CAPACITY (MW)	918.00	399.80	173.50	990.30	333.50
10	ANNUAL GENERATION (MWH)[3]	3,593,100	1,842,700	368,000	3,389,900	583,700
11	PLANT HEAT RATE (BTU/KWH)[3]	10,911	10,263	12,166	10,078	13,022

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)		.35		502.30	
13	AVERAGE HEAT CONTENT (BTU/LB)		13,449		12,656	
14	AVERAGE SULFUR CONTENT (%)		2.00		.89	
15	AVERAGE ASH CONTENT (%)		11.30		10.33	
16	AVERAGE MOISTURE CONTENT (%)		5.00		5.20	
17	OIL: CONSUMPTION (1,000 BARRELS)		3,115.30	731.19	3,521.14	1,236.62
18	AVERAGE HEAT CONTENT (BTU/GAL)		144,464	145,835	145,034	146,346
19	AVERAGE SULFUR CONTENT (%)		.73	.85	.87	.91
20	GAS: CONSUMPTION (1,000 MCF)					
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)					

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.		2	3	4	5
23	- NO. OF WET BOTTOM		2			
24	- NO. WITH FLY ASH REINJECTION					
25	- NO. WITH MECHANICAL PRECIPITATORS				1	
26	- NO. WITH ELECTROSTATIC PRECIPITATORS			2	1	2
27	- NO. WITH COMBINATION PRECIPITATORS[4]		2	1	1	3
28	- NO. WITH DESULFURIZATION SYSTEMS				2	
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]		11.00	13.00 25.00	5.00 19.00	20.00
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			80.00	90.00	65.00
31	TESTED, LOW - HIGH			74.20	29.70	31.00
32	ESTIMATED, LOW - HIGH				30.00	31.00
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH		95.00	95.00	99.00	87.00
34	TESTED, LOW - HIGH	58.00	80.00	56.10	75.40 98.50	43.00 70.70
35	EST., LOW - HIGH		58.00	56.10	75.00 98.50	43.00 70.70
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH					
37	TESTED, LOW - HIGH					
38	ESTIMATED, LOW - HIGH					

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)		.22	.05	.94	.12
40	SULFUR OIOXIOE (1,000 TONS)		7.64	1.98	19.04	3.78
41	NITROGEN OXIOES (1,000 TONS)		6.88	1.53	12.28	2.73
42	STACKS: - TOTAL NO.		2	3	4	5
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]		353.00	238.00	286.80 350.00	216.00
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]					
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]		.20		73.20	
46	SOLD (1,000 TONS)[11]					
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)					
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]					
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)					
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			588.00	1,188.00	699.00
51	ELECTROSTATIC PRECIPITATORS ($1,000)[4]		3,330.00	516.00	983.00	907.00
52	COMBINATION PRECIPITATORS ($1,000)[4]				2,603.00	
53	DESULFURIZATION SYSTEMS ($1,000)					
54	STACKS ($1,000)		4,512.00	225.00	1,716.00	520.00
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		90.30	12.20	316.30	38.10
56	REVENUES FROM SALE OF ASH ($1,000)					
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)					
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)					
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		90.30	12.20	316.30	38.10
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)					

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE[14]	O CHESAPEAKE BAY	C SENECA	R PATAPSCO	R PATAPSCO	R PATAPSCO
62	AVERAGE RATE OF WITHDRAWAL (CFS)	2,745.00	636.00	237.00	1,471.00	486.00
63	AVERAGE RATE OF DISCHARGE (CFS)	2,745.00	636.00	237.00	1,471.00	486.00
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	23.60	5.47	2.04	12.65	4.18
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL OEC	JUL OEC	JUL DEC	JUL DEC	JUL OEC
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	78.70 51.70	84.00 48.00	86.00 53.00	87.00 55.00	85.00 50.00
67	AT OUTFALL, SUMMER - WINTER	88.70 61.70	95.00 55.00	96.00 64.00	96.00 66.00	97.00 63.00
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	TIDAL	TIDAL	TIDAL	TIDAL	TIDAL
69	- WINTER	TIDAL	TIDAL	TIDAL	TIDAL	TIDAL
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	C	C	C	O
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP					.05
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		3.87	1.17	42.34	
73	LIME (TONS), COOLING WATER - BOILER MAKEUP					
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP					
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP			24.00	120.00	16.00
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	SW	PS	SW	PS	PS
78	RECEIVING WATER BODY[18]	D CHESAPEAKE BAY		R PATAPSCO		
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		7.50	7.50	5.00	4.00
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		58.00	64.00	638.00	48.00
81	VOLUME II,000 CUFT/YR), BOILER BLOWDOWN					
82	- ASH SETTLING		3,400.00	1,000.00	6,000.00	201,000.00

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[19]: ONCE THROUGH COOLING (FRESH)					
84	ONCE THROUGH COOLING (SALINE)	1 883.10	2 399.80	3 173.50	4 990.30	5 333.50
85	COOLING PONO(S)					
86	COOLING TOWER(S)					
87	COMBINATIONS[21]					
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1975	1961 1962	1927 1952	1956 1972	1942 1953
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	10.00	11.30	15.00	11.50 15.00	15.00
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	2,675.00	694.00	330.00	1,631.60	573.00
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	2,675.00	694.00	330.00	1,649.60	573.00

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	41,200.00	3,364.00	927.00	9,924.00	2,616.00
93	COOLING PONDS ($1,000)					
94	COOLING TOWERS ($1,000)					

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	213.40	110.90	57.50	108.40	63.00
96	COST OF CHEMICAL ADDITIVES ($1,000)			5.60	27.80	3.70

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	36.20	15.60	11.30	32.40	14.70
98	COST OF CHEMICAL ADDITIVES ($1,000)	2.70	9.90	3.00	24.40	6.10

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

	NAME OF UTILITY	BALTIMORE GAS & ELECTRIC CO.	BANGOR HYDROELECTRIC CO	BASIN ELECTRIC POWER COUP	BASIN ELECTRIC POWER COOP	BIG RIVERS RURAL ELECTRIC COUP
	NAME OF PLANT	WESTPORT	GRAHAM	LELAND OLDS	NEAL	COLEMAN
	UTILITY-PLANT CODE	026500-0600	028000-0600	031000-0100	031000-0200	041000-0050
	STATE	MARYLAND	MAINE	NORTH DAKOTA	NORTH DAKOTA	KENTUCKY
	COUNTY	BALTIMORE CITY	PENOBSCOT	MERCER	MCHENRY	HANCOCK
	AIR QUALITY CONTROL REGION NO. 1/ - WATER RESOURCE REGION NO. 2/	133 02	109 01	172 10	172 10	077 05
	PLANT CAPACITY (MW)	194.00	57.45	680.00	36.00	521.30
	ANNUAL GENERATION (MWH) 3/	261,500	113,600	1,523,100	163,000	3,287,700
	PLANT HEAT RATE (BTU/KWH) 3/	14,676	13,285	13,310	14,957	10,349

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (T,000 TONS)				1,576.00	186.30	1,545.10	
AVERAGE HEAT CONTENT (BTU/LB)				6,431	6,517	10,826	
AVERAGE SULFUR CONTENT (%)				.54	.20	3.22	
AVERAGE ASH CONTENT (%)				8.65	10.25	12.32	
AVERAGE MOISTURE CONTENT (%)				37.26	38.12	11.39	
OIL: CONSUMPTION (1,000 BARRELS)	626.36	242.40			2.50		
AVERAGE HEAT CONTENT (BTU/GAL)	145,887	148,289			142,000		
AVERAGE SULFUR CONTENT (%)	.87	2.18			.10		
GAS: CONSUMPTION (1,000 MCF)						589.10	
AVERAGE HEAT CONTENT (BTU/CU.FT.)						1,000	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	4	3	2	2	3	
- NO. OF WET BOTTOM			1			
- NO. WITH FLY ASH REINJECTION				2		
- NO. WITH MECHANICAL PRECIPITATORS					3	
- NO. WITH ELECTROSTATIC PRECIPITATORS	3		1			
- NO. WITH COMBINATION PRECIPITATORS 4/	1		1			
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER 5/	21.00 27.00	15.00	24.00 28.00	22.00 84.00	18.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH				69.00 80.40		
TESTED, LOW - HIGH				80.00		
ESTIMATED, LOW - HIGH					99.00	
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY 6/: DESIGN, LOW - HIGH	82.00 87.00		99.05 99.50		97.60 99.90	
TESTED, LOW - HIGH	40.00 93.00		99.95		99.50	
EST., LOW - HIGH	40.00 80.00		85.00			
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS 7/: PARTICULATE MATTER (1,000 TONS)	.03	.04	.36	4.14	.81	
SULFUR DIOXIDE (1,000 TONS)	1.83	1.77	16.68	.73	97.50	
NITROGEN OXIDES (1,000 TONS)	1.38	.53	18.61	1.68	14.02	
STACKS: - TOTAL NO.	3	3	2	2	3	
- HEIGHT (FEET), LOWEST - HIGHEST 8/	220.00	99.00	350.00 500.00	139.00	350.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) 9/			141.50	15.00	188.50	
TOTAL ASH: COLLECTED (1,000 TONS) 10/			12.20			
SOLD (1,000 TONS) 11/						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) 12/				44.70		
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)					1,657.60	
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	368.00		3,011.00			
ELECTROSTATIC PRECIPITATORS ($1,000)	432.00		4,500.00			
COMBINATION PRECIPITATORS ($1,000) 14/						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	154.00	62.80	976.22	5.50	1,032.70	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	30.00		192.10	41.10	139.10	
REVENUES FROM SALE OF ASH ($1,000)			36.20			
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) 13/	30.00		192.10	41.10	139.10	
TOTAL BYPRODUCT SALES REVENUES ($1,000)			36.20			

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	R PATAPSCO	R PENOBSCOT	R MISSOURI	W	R OHIO	
AVERAGE RATE OF WITHDRAWAL (CFS)	353.00	31.50	3,780.00	1.00	482.00	
AVERAGE RATE OF DISCHARGE (CFS)	353.00	31.50	3,777.00		475.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED 14/	3.04	.27	32.51 3.00	1.00	4.15 7.00	
PEAK LOAD MONTH : SUMMER - WINTER 15/	JUL DEC	JUL DEC	AUG JAN		SEP MAR	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	85.00 52.00	81.40 41.70	56.00 42.00		85.00 49.00	
AT OUTFALL, SUMMER - WINTER	93.00 64.00	98.30 68.50	91.00 73.00		105.00 72.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	TIDAL	6,600.00	56,000.00		110,700.00	
- WINTER	TIDAL	12,700.00	23,000.00		10,700.00	
FREQUENCY OF TEMPERATURE MONITORING: C, M, D, O 16/	C	M	M		C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.10	.35	3.70	.29	.20	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	15.99	.92	.10	.18	291.22	
LIME (TONS), COOLING WATER - BOILER MAKEUP			59.13	26.40		
ALUM (TONS), COOLING WATER - BOILER MAKEUP			36.88			
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP 17/	52.00		2.50	.63		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP 17/	YES	YES	YES	YES YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT 18/	PS	ST	R MISSOURI	O FIELD	ST	
RECEIVING WATER BODY 18/			9.10 9.60	10.40 8.00	9.00	
RONO DISCHARGE: RM, BOILER BLOWDOWN - ASH SETTLING	7.20		.10 10.00		30.00	
SUSPENDED SOLIDS (RM), BOILER BLOWDOWN - ASH SETTLING	136.00			150.00		
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING	2,000.00		126,000.00		292,000.00	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING 20/: ONCE THROUGH COOLING (FRESH)		3 57.45	2 680.00		3 502.00	
ONCE THROUGH COOLING (SALINE)	3 194.00					
COOLING PONDS				2 34.50		
COOLING TOWERS						
COMBINATIONS 21/						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1924 1950	1954 1964	1965 1975	1951	1969 1971	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST 22/	15.00	15.00 15.70	27.00	15.00	18.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	413.00	107.00	162.64	74.00	600.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	413.00	107.00	510.00		648.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	1,252.00		999.00		2,324.10
COOLING PONDS ($1,000)				153.90	
COOLING TOWERS ($1,000)					

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	46.90	2.60	38.40	27.50		
COST OF CHEMICAL ADDITIVES ($1,000)	12.10			3.70		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	17.80	2.80	26.20	24.90		
COST OF CHEMICAL ADDITIVES ($1,000)	7.90	1.70	17.50	6.50	58.46	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	BIG RIVERS RURAL ELECTRIC COOP	BLACK HILLS POWER & LIGHT CO.	BLACK HILLS POWER & LIGHT CO.	BLACK HILLS POWER & LIGHT CO.	BOSTON EDISON CO.	1
2							2
3							3
4	NAME OF PLANT	REID	KIRK	SIMPSON	OSAGE	EDGAR	4
5	UTILITY-PLANT CODE	041000-0100	041500-0400	041500-0450	041500-0500	048500-0100	5
6	STATE	KENTUCKY	SOUTH DAKOTA	WYOMING	WYOMING	MASSACHUSETTS	6
7	COUNTY	HENDERSON	LAWRENCE	CAMBELL	WESTON	NORFOLK	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	077 05	105 10	243 10	243 10	119 01	8
9	PLANT CAPACITY (MW)	80.00	32.00	28.80	33.00	263.50	9
10	ANNUAL GENERATION (MWH)[3]	377,200	176,000	175,000	248,500	1,103,700	10
11	PLANT HEAT RATE (BTU/KWH)[3]	12,912	15,815	17,232	14,984	11,317	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	240.40	175.02	189.28	234.13		12
13	AVERAGE HEAT CONTENT (BTU/LB)	10,084	7,939	7,951	7,954		13
14	AVERAGE SULFUR CONTENT (%)	3.55	.43	.43	.43		14
15	AVERAGE ASH CONTENT (%)	16.81	6.10	6.11	6.06		15
16	AVERAGE MOISTURE CONTENT (%)	11.17	30.13	30.11	30.08		16
17	OIL: CONSUMPTION (1,000 BARRELS)	3.74		.92		2,035.90	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	136,000		135,000		145,846	18
19	AVERAGE SULFUR CONTENT (%)	.10		.10		.86	19
20	GAS: CONSUMPTION (1,000 MCF)						20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)						21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	1	4	4	3	3	22
23	- NO. OF WET BOTTOM			1			23
24	- NO. WITH FLY ASH REINJECTION		4	2	3		24
25	- NO. WITH MECHANICAL PRECIPITATORS		1	3	3		25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS					3	26
27	- NO. WITH COMBINATION PRECIPITATORS[4]	1					27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	22.00	22.00 38.00	17.00 40.00	20.00	20.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		92.00	20.00 80.00	91.00		30
31	TESTED, LOW - HIGH						31
32	ESTIMATED, LOW - HIGH		20.00 92.00	20.00 80.00	91.00		32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	99.90				95.00	33
34	TESTED, LOW - HIGH	98.40					34
35	EST., LOW - HIGH	99.00					35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.34	3.89	3.44	4.71	.02	39
40	SULFUR DIOXIDE (1,000 TONS)	16.73	1.48	1.60	1.97	5.87	40
41	NITROGEN OXIDES (1,000 TONS)	2.17	1.31	2.42	2.10	4.49	41
42	STACKS: - TOTAL NO.	1	4	4	3	3	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	250.00	77.00 111.00	57.00 177.89	80.00	250.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]					.10	44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	40.10	10.64	8.90	16.00	.12	45
46	SOLD (1,000 TONS)[11]						46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)		28.00	4.00	26.00		50
51	ELECTROSTATIC PRECIPITATORS ($1,000)					574.30	51
52	COMBINATION PRECIPITATORS ($1,000)[4]	396.70					52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)	125.00	1.29	32.77	7.80	160.09	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	21.64	30.50	23.00	28.00	4.80	55
56	REVENUES FROM SALE OF ASH ($1,000)						56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	21.64	30.50	23.00	28.00	4.80	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)						60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	R GREEN	O MINING CO.		W	O OCEAN	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	152.00	.62		1.20	325.12	62
63	AVERAGE RATE OF DISCHARGE (CFS)	138.40	.20		.22	325.12	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.31 13.30	.42		1.02	2.80	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	SEP MAR	JUL DEC			JUL DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	82.00 47.00				66.00 46.00	66
67	AT OUTFALL, SUMMER - WINTER	94.00 61.00	74.00 76.00			86.00 60.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	10,580.00	.16			TIDAL	68
69	- WINTER	10,580.00	.16			TIDAL	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	O	O	O	C	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.20	6.00 .50	1.23 .75	12.00 .23	2.70	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	218.09	6.00	.17	.23	169.31	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	7.75	37.50				73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	28.95					74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	8.35 .50		1.30	1.35	13.85	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES YES	YES	YES YES	YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST		OT		PS	77
78	RECEIVING WATER BODY[19]		C WHITETAIL	O ASH PONDS			78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	7.50	8.70 8.70	7.50			79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	50.00	50.00 50.00	300.00			80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN		.28				81
82	- ASH SETTLING	.97	4,562.50				82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	1 80.00					83
84	ONCE THROUGH COOLING (SALINE)					3 243.75	84
85	COOLING POND(S)						85
86	COOLING TOWER(S)		4 32.00	4 26.68	3 33.00		86
87	COMBINATIONS[21]						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1965	1935 1955	1946 1969	1948 1952	1949 1954	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	16.00	12.00 16.00	18.00	15.00	14.50	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	127.50	113.90	16.80	76.86	387.60	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	150.00				750.00	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	1,073.25				3,299.53	92
93	COOLING PONDS ($1,000)						93
94	COOLING TOWERS ($1,000)		61.00	1,144.00	204.00		94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)		14.20	7.00	17.50	70.80	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	3.10	16.50	2.00	13.50	12.70	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)			8.00	4.00	101.60	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	39.77		8.00	2.00	59.00	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	BOSTON EDISON CO.	BOSTON EDISON CO.	BOSTON EDISON CO.	BOSTON EDISON CO.	BRAZOS ELECTRIC POWER COOP INC.	
NAME OF PLANT	L STREET	MYSTIC	NEW BOSTON	PILGRIM	NORTH TEXAS	
UTILITY-PLANT CODE	04850D-0200	048500-0300	048500-0400	048500-0450	D52000-0100	
STATE	MASSACHUSETTS	MASSACHUSETTS	MASSACHUSETTS	MASSACHUSETTS	TEXAS	
COUNTY	SUFFOLK	MIDDLESEX	SUFFOLK	PLYMOUTH	PARKER	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	119 D1	119 D1	119 01	120 01	219 12	
PLANT CAPACITY (MW)	25.00	1,041.00	760.00	670.00	75.00	
ANNUAL GENERATION (MWH)[3]	69,800	2,503,000	3,909,700	2,587,200	145,100	
PLANT HEAT RATE (BTU/KWH)[3]	8,228	9,108	9,629	10,635	12,657	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)						
AVERAGE HEAT CONTENT (BTU/LB)						
AVERAGE SULFUR CONTENT (%)						
AVERAGE ASH CONTENT (%)						
AVERAGE MOISTURE CONTENT (%)						.17
OIL: CONSUMPTION (1,000 BARRELS)	94.60	3,738.70	6,177.10		144,182	
AVERAGE HEAT CONTENT (BTU/GAL)	144,727	145,178	145,009		.10	
AVERAGE SULFUR CONTENT (%)	.49	.50	.41		1,690.30	
GAS: CONSUMPTION (1,000 MCF)					1,086	
AVERAGE HEAT CONTENT (BTU/CU.FT.)						

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	3	7	2		3	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS						
- NO. WITH ELECTROSTATIC PRECIPITATORS	3	7				
- NO. WITH COMBINATION PRECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS		1				
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	24.00	3.00 29.00	13.00			
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	84.00 90.00	95.00				
TESTED, LOW - HIGH						
EST., LOW - HIGH		90.00				
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)		.41	1.04			
SULFUR DIOXIDE (1,000 TONS)	.16	6.27	8.50		.33	
NITROGEN OXIDES (1,000 TONS)	.21	8.24	13.62		3	
STACKS: - TOTAL NO.	1	6	4			
- HEIGHT (FEET), LOWEST - HIGHEST[8]	266.00	260.00 500.00	250.00		68.00 79.50	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]		.20	.50			
TOTAL ASH: COLLECTED (1,000 TONS)[10]	.03	.20	.01			
SOLD (1,000 TONS)[11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	195.20	17,237.00				
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000)[4]		3,625.00				
DESULFURIZATION SYSTEMS ($1,000)	13.27	2,844.58	256.40		31.90	
STACKS ($1,000)	.50	21.00	5.80			
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	.50	21.00	5.80			
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE[14]		O OCEAN	D OCEAN	B CAPE COD	L	
AVERAGE RATE OF WITHDRAWAL (CFS)		576.23	668.00	691.00	45.07	
AVERAGE RATE OF DISCHARGE (CFS)		576.23	668.00	691.00	45.07	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]		4.96	5.74	5.94	.39	
PEAK LOAD MONTH : SUMMER - WINTER[15]		JUL DEC	JUL DEC	JUL DEC	AUG DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER		63.00 54.00	65.00 51.00	66.00 51.00		
AT OUTFALL, SUMMER - WINTER		88.00 80.00	90.00 77.00	88.00 66.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		TIDAL	TIDAL	TIDAL	84.15	
- WINTER		TIDAL	TIDAL	TIDAL	40.60	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, D[16]		HOURLY	C	H	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	2.45	1.67			.13	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	234.30	.30 262.13	234.30	6.45	5.40	
LIME (TONS), COOLING WATER - BOILER MAKEUP					3.00	
ALUM (TONS), COOLING WATER - BOILER MAKEUP		.89	14.23	.97		
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP						
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]		PS	PS	ST	ST	
RECEIVING WATER BODY					9.60	
POND DISCHARGE[19]: PH, BOILER BLOWDOWN - ASH SETTLING						
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING					216.00	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)					3 75.00	
ONCE THROUGH COOLING (SALINE)	7	1,088.50	2 760.00	1 1,998.00		
COOLING POND(S)						
COOLING TOWER(S)						
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1943	1975	1965 1967	1970	1958 1963	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	14.30	19.90	15.80 16.20	29.00	15.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)		1,381.66	757.50	692.00	142.40	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		2,140.20	1,348.00	692.00	133.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	6,703.35	1,476.90	4,110.00	399.60	
COOLING PONDS ($1,000)	109.24				
COOLING TOWERS ($1,000)					

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	81.40	5.20	24.25	2.50	
COST OF CHEMICAL ADDITIVES ($1,000)	1.10	15.90	1.10	.20	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	96.00	219.90	100.60	4.37	3.00	
COST OF CHEMICAL ADDITIVES ($1,000)	90.00	100.30	104.30	2.20	5.60	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	BRAZOS ELECTRIC POWER COOP INC.	BROWNSVILLE, CITY OF	BURBANK PUBLIC SERVICE DEPT	CAJUN ELECTRIC POWER COOP	CAMBRIDGE ELEC. LIGHT CO.	1
2							2
3							3
4	NAME OF PLANT	MILLER	SI RAY	BURBANK	BIG CAJUN #1	KENDALL SQUARE	4
5	UTILITY-PLANT CODE	052000-0200	057000-0100	059000-0100	062750-0100	065000-0200	5
6	STATE	TEXAS	TEXAS	CALIFORNIA	LOUISIANA	MASSACHUSETTS	6
7	COUNTY	PALO PINTO	CAMERON	LOS ANGELES	POINTE COUPEE	MIDDLESEX	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	215 12	213 13	024 18	106 08	119 01	8
9	PLANT CAPACITY (MW)	404.00	53.00	169.00	230.00	67.45	9
10	ANNUAL GENERATION (MWH)[3]	967,200	221,000	464,000	1,011,700	225,000	10
11	PLANT HEAT RATE (BTU/KWH)[3]	13,093	25,643	11,679	11,080	17,542	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)						12
13	AVERAGE HEAT CONTENT (BTU/LB)						13
14	AVERAGE SULFUR CONTENT (%)						14
15	AVERAGE ASH CONTENT (%)						15
16	AVERAGE MOISTURE CONTENT (%)						16
17	OIL: CONSUMPTION (1,000 BARRELS)	1.12		688.30	22.19	648.00	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	142,056		148,021	139,500	145,026	18
19	AVERAGE SULFUR CONTENT (%)	.10		.39	.75	.45	19
20	GAS: CONSUMPTION (1,000 MCF)	12,336.43	5,556.00	1,074.30	10,588.49		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,026	1,020	1,061	1,047		21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	3	3	7	2	3		22
23	- NO. OF WET BOTTOM							23
24	- NO. WITH FLY ASH REINJECTION							24
25	- NO. WITH MECHANICAL PRECIPITATORS			6				25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS							26
27	- NO. WITH COMBINATION PRECIPITATORS[4]							27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	8.00 15.00	11.00 13.00	12.60 19.00	8.00	20.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH			23.00 40.00				32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH							33
34	TESTED, LOW - HIGH							34
35	EST., LOW - HIGH							35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)			.10		.11		39
40	SULFUR DIOXIDE (1,000 TONS)			.90	.06	.98		40
41	NITROGEN OXIDES (1,000 TONS)	2.41	.63	1.73	2.11	1.43		41
42	STACKS: - TOTAL NO.	3	3	6	2	2		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	66.00 153.50	91.00 92.00	66.00 150.00	185.00	175.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]					.01		44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]							45
46	SOLD (1,000 TONS)[11]							46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			81.00				50
51	ELECTROSTATIC PRECIPITATORS ($1,000)							51
52	COMBINATION PRECIPITATORS ($1,000)[4]							52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	133.00				42.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)					2.20		55
56	REVENUES FROM SALE OF ASH ($1,000)							56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]					29.20		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	L PALO PINTO	R	M	W	R CHARLES		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	124.90		2.90	4.26	110.00		62
63	AVERAGE RATE OF DISCHARGE (CFS)	124.90		1.20	1.52	110.00		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.07		1.70	4.26	.95		64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG OEC	AUG OEC			JUN OEC		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	92.00 63.00	91.00 87.00	78.00 70.00		78.00 40.00		66
67	AT OUTFALL, SUMMER - WINTER	105.00 83.00	112.00 105.00	80.00 72.00		88.00 50.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	480.91				110.00		68
69	- WINTER	258.14				185.00		69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O'[16]	C			H	C		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.10		.28 .09	.45	2.50		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	77.40		18.23	21.84	102.99		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	15.00				3.75		73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP							74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	.30		2.00	3.40	1.52		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES YES	YES YES	YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	PS	PS	OT	PS		77
78	[19] RECEIVING WATER BODY							78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	9.80						79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING							80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	733.37						81
82	- ASH SETTLING							82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	3 404.00				3 75.00		83
84	ONCE THROUGH COOLING (SALINE)							84
85	COOLING POND(S)		2 31.00					85
86	COOLING TOWER(S)		1 22.00	6 169.00	2 230.00			86
87	COMBINATIONS[21]							87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1968 1975	1949 1959	1949 1964	1971	1949 1957		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	13.40 15.50		16.00	19.00	15.00		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	633.00	154.00	299.30	33.60	121.00		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	633.00				110.00		91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	1,786.00				100.00		92
93	COOLING PONDS ($1,000)							93
94	COOLING TOWERS ($1,000)				512.00			94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	10.00		30.31	8.00	16.70		95
96	COST OF CHEMICAL ADDITIVES ($1,000)	.50		33.51	4.00	7.50		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	6.00		18.62	20.00	104.00		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	33.00	8.00	10.62	5.00	44.00		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	CAROLINA OPERATING CO.	CAROLINA POWER & LIGHT CO.	CAROLINA POWER & LIGHT CO.	CAROLINA POWER & LIGHT CO.	CAROLINA POWER & LIGHT CO.		
NAME OF PLANT	CAROINAL	ASHEVILLE	BRUNSWICK	CAPE FEAR	ROBINSON		
UTILITY-PLANT CCOE	070000-0100	072000-0100	072000-0250	072000-0300	072000-0400		
STATE	OHIO	NORTH CAROLINA	NORTH CAROLINA	NORTH CAROLINA	SOUTH CAROLINA		
COUNTY	JEFFERSON	BUNCOMBE	BRUNSWICK	CHATHAM	DARLINGTON		
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	161 05	171 06	170 03	166 03	201 03		
PLANT CAPACITY (MW)	1,180.00	413.64	796.00	390.96	975.32		
ANNUAL GENERATION (MWH)[3]	4,987,000	2,399,800	1,423,400	1,687,300	855,900		
PLANT HEAT RATE (BTU/KWH)[3]	9,650	9,827	11,286	10,164	10,101		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	2,188.30	989.75		734.28	273.20		
AVERAGE HEAT CONTENT (BTU/LB)	10,987	11,700		11,623	11,837		
AVERAGE SULFUR CONTENT (%)	2.62	1.18		1.20	1.22		
AVERAGE ASH CONTENT (%)	17.38	11.94		12.50	11.40		
AVERAGE MOISTURE CONTENT (%)	7.35	7.67		7.20	7.81		
OIL: CONSUMPTION (1,000 BARRELS)	74.00	12.79		11.46	16.00		
AVERAGE HEAT CONTENT (BTU/GAL)	134,500	147,460		137,966	138,083		
AVERAGE SULFUR CONTENT (%)	.10	.15		.15	.10		
GAS: CONSUMPTION (1,000 MCF)					2,012.32		
AVERAGE HEAT CONTENT (BTU/CU.FT.)					1,028		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	2		4	1		
- NO. OF WET BOTTOM							
- NO. WITH FLY ASH REINJECTION							
- NO. WITH MECHANICAL PRECIPITATORS				2			
- NO. WITH ELECTROSTATIC PRECIPITATORS	2	2		2	1		
- NO. WITH COMBINATION PRECIPITATORS[4]							
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00	18.00 20.00		20.00 22.00	20.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH				85.00			
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH				80.00			
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	95.00	99.00 99.21		99.43 99.48	99.43		
TESTED, LOW - HIGH	94.80 97.40	98.40 99.60		99.74 99.85			
EST., LOW - HIGH					99.50		
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	244.72	.97		.90	.13		
SULFUR DIOXIDE (1,000 TONS)	111.26	22.90		17.28	6.54		
NITROGEN OXIDES (1,000 TONS)	16.41	8.94		6.63	2.89		
STACKS: - TOTAL NO.	2	2		3	1		
- HEIGHT (FEET), LOWEST - HIGHEST[8]	825.00	392.00		148.00 201.00	250.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]				90.94	31.03		
TOTAL ASH: COLLECTED (1,000 TONS)[10]	368.50	116.90					
SOLD (1,000 TONS)[11]	40.00						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)				44.60			
ELECTROSTATIC PRECIPITATORS ($1,000)	2,702.00	2,914.00		4,010.00			
COMBINATION PRECIPITATORS ($1,000)[14]					884.00		
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)	3,142.00	505.20		156.60	105.60		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	847.60	253.07		161.00	100.30		
REVENUES FROM SALE OF ASH ($1,000)	10.00						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	940.10	253.07		161.00	100.30		
TOTAL BYPRODUCT SALES REVENUES ($1,000)	10.00						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	R OHIO		O CAPE FEAR ESTU	R CAPE FEAR	C BLACK		
AVERAGE RATE OF WITHDRAWAL (CFS)	1,779.00	339.29	1,250.00	283.00	974.09		
AVERAGE RATE DE DISCHARGE (CFS)	1,269.00	339.29	1,250.00	268.00	974.09		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	15.30		10.75	15.00			
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC		AUG DEC			
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	85.00 44.00			102.00 51.00	89.90 56.40		
AT OUTFALL, SUMMER - WINTER	96.00 57.00			123.00 73.00	105.80 66.20		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	19,823.00			1,244.00	235.00		
- WINTER	68,500.00			2,774.00	270.00		
FREQUENCY OF TEMPERATURE MONITORING: C, M, D, O[16]	C	O	M	C	O		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		.93			8.29		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	21.26						
LIME (TONS), COOLING WATER - BOILER MAKEUP				31.50			
ALUM (TONS), COOLING WATER - BOILER MAKEUP				1.60			
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	30.00 2.03		880.00				
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES YES	YES	YES YES	YES YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT	PS		ST	ST		
RECEIVING WATER BODY	R OHIO			R CAPE FEAR	O ROBINSON IMPOU		
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	3.80	8.10		8.40	7.00		
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	22.00	11.50		5.00	5.00		
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING		103,000.00		40,000.00	20,000.00		

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	2 1,180.00		1 796.00				
ONCE THROUGH COOLING (SALINE)							
COOLING PONDS[21]		2 413.64					
COOLING TOWERS[21]				4 381.00	2 975.32		
COMBINATIONS[21]				1975	1960 1970		
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1967	1963	1974	15.00 21.00	18.90 22.40		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	13.10	17.00 18.00	25.00	531.00	1,253.90		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,617.40	456.00	1,250.00	531.00			
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,782.40		1,250.00				

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	2,307.00		42,300.00	1,910.50			
COOLING PONDS ($1,000)		1,366.00			9,600.00		
COOLING TOWERS ($1,000)				7,168.00			

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	391.00	207.44	13.04	79.00	39.50		
COST OF CHEMICAL ADDITIVES ($1,000)	7.50	2.46	4.83	16.00	11.30		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	23.80	6.16	14.56	16.00	18.00		
COST OF CHEMICAL ADDITIVES ($1,000)	26.40	1.93		10.00	23.20		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	CAROLINA POWER & LIGHT CO.	CAROLINA POWER & LIGHT CO.	CAROLINA POWER & LIGHT CO.	CAROLINA POWER & LIGHT CO.	CEDAR FALLS UTILS.	1
2							2
3							3
4	NAME OF PLANT	LEE	ROXBORO	SUTTON	WEATHERSPOON	STREETER	4
5	UTILITY-PLANT CODE	072000-0500	072000-0900	072000-1000	072000-1300	075500-0100	5
6	STATE	NORTH CAROLINA	NORTH CAROLINA	NORTH CAROLINA	NORTH CAROLINA	IOWA	6
7	COUNTY	WAYNE	PERSON	NEW HANOVER	ROBESON	BLACK HAWK	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	170 03	166 03	170 03	162 03	089 07	8
9	PLANT CAPACITY (MW)	402.45	1,813.05	671.62	165.50	66.55	9
10	ANNUAL GENERATION (MWH)[3]	1,489,900	10,268,000	1,197,400	476,000	211,000	10
11	PLANT HEAT RATE (BTU/KWH)[3]	10,134	9,726	11,252	11,152	12,228	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	639.80	4,098.50	545.90	217.55	63.76		12
13	AVERAGE HEAT CONTENT (BTU/LB)	11,725	12,150	12,176	12,069	11,861		13
14	AVERAGE SULFUR CONTENT (%)	1.50	1.07	1.56	1.80	1.87		14
15	AVERAGE ASH CONTENT (%)	14.50	11.50	11.60	12.10	8.51		15
16	AVERAGE MOISTURE CONTENT (%)	8.10	5.30	6.10	6.60	10.00		16
17	OIL: CONSUMPTION (1,000 BARRELS)	13.70	46.70	28.92	10.02			17
18	AVERAGE HEAT CONTENT (BTU/GAL)	138,076	138,791	147,460	136,704			18
19	AVERAGE SULFUR CONTENT (%)	.15	.15	2.10	.15			19
20	GAS: CONSUMPTION (1,000 MCF)	16.52				1,068.70		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,031				999		21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	3	4	3	3	4		22
23	- NO. OF WET BOTTOM							23
24	- NO. WITH FLY ASH REINJECTION							24
25	- NO. WITH MECHANICAL PRECIPITATORS	1		1	2	3		25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	1	4	1	3	1		26
27	- NO. WITH COMBINATION PRECIPITATORS[4]	1		1				27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00 25.00	20.00	4.00 5.00	20.00	20.00 30.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	85.00		85.00	85.00	93.40 95.50		30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH	80.00				90.00		32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	99.24 99.33	99.00 99.59	99.00	99.25 99.27	99.50		33
34	TESTED, LOW - HIGH	92.53 99.37	92.00 99.75		99.20 99.79	99.50		34
35	EST., LOW - HIGH		99.00	97.00 99.00		99.00		35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	11.90	11.57	1.14	.13	.06		39
40	SULFUR DIOXIDE (1,000 TONS)	18.82	85.98	16.90	7.68	2.34		40
41	NITROGEN OXIDES (1,000 TONS)	5.79	34.45	4.98	1.98	.78		41
42	STACKS: - TOTAL NO.	2	3	2	2	4		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	200.00 300.00	399.00 800.00	561.00 561.50	200.00	127.00 306.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	81.62	457.80	61.94	25.92	5.42		45
46	SOLD (1,000 TONS)[11]							46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	110.30			47.60	37.00		50
51	ELECTROSTATIC PRECIPITATORS ($1,000)		12,889.20	3,050.00	4,250.00	575.00		51
52	COMBINATION PRECIPITATORS ($1,000)[4]			2,580.00				52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	200.60	541.00	2,284.80	129.80	322.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	342.00	787.00	59.52	29.20	27.00		55
56	REVENUES FROM SALE OF ASH ($1,000)							56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	1,208.00	787.00	59.52	29.20	32.00		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	R NEUSE	R HYCO	R CAPE FEAR	R LUMBER	W		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	479.00	1,630.00	30.00		1.80		62
63	AVERAGE RATE OF DISCHARGE (CFS)	479.00	1,630.00			1.30		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]			30.00		.50		64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG OEC	AUG OEC	AUG OEC	AUG OEC	JUL OEC		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	93.00 57.00	75.00 42.00					66
67	AT OUTFALL, SUMMER - WINTER	110.00 80.00	82.00 48.00			85.00 72.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		42.70		948.00			68
69	- WINTER		130.00		1,450.00			69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	D	C	D	L	H		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	3.14	1.06	.20	3.09	.02		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.02				9.78		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP							73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	15.00	3.00					74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	25.00 2.63	28.00	8.50		.48		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	ST	ST	ST	PS		77
78	[19] RECEIVING WATER BODY	D COOLING POND						78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	9.70	7.80	4.10	9.00			79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		100.00	12.00	11.00			80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							81
82	- ASH SETTLING	53,700.00	159,000.00	179,000.00	10,000.00			82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)					3 28.75		83
84	ONCE THROUGH COOLING (SALINE)							84
85	COOLING POND(S)	3 402.45	3 1,813.05	3 671.62	3 165.50			85
86	COOLING TOWER(S)					1 37.80		86
87	COMBINATIONS[21]							87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1973	1965 1974	1972		1969 1973		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	17.00 23.00	25.40 25.50	18.00 19.60	14.00 16.70	13.00 31.00		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	612.00	1,582.00	830.00	269.00	89.26		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)				298.20	16.00		91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)				1,050.30	20.00		92
93	COOLING PONDS ($1,000)	4,055.70	4,700.00	7,000.00	1,762.40			93
94	COOLING TOWERS ($1,000)					180.00		94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	8.00	1.40	9.00	101.10	10.00		95
96	COST OF CHEMICAL ADDITIVES ($1,000)	7.00	7.00	2.38	6.80	12.00		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	22.00	1.00	8.10	6.10	26.00		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	13.00	17.20	3.00	3.60	5.00		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	CENTRAL HUDSON GAS & ELECTRIC CO.	CENTRAL HUDSON GAS & ELECTRIC CO.	CENTRAL ILLEC. POWER CORP.	CENTRAL ILLINOIS P.S. CO.	CENTRAL ILLINOIS P.S. CO.	
NAME OF PLANT	OANSKAMMER	ROSETON	CHAMOIS	COFFEEN	GRAND TOWER	
UTILITY-PLANT CODE	07000-0100	07000-0550	07800-0100	07850-0100	07850-0200	
STATE	NEW YORK	NEW YORK	MISSOURI	ILLINOIS	ILLINOIS	
COUNTY	ORANGE	ORANGE	OSAGE	MONTGOMERY	JACKSON	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	161 02	161 02	137 10	075 07	076 07	
PLANT CAPACITY (MW)	531.91	1,242.00	67.70	1,005.00	194.60	
ANNUAL GENERATION (MWH)[3]	2,169,400	5,097,100	108,700	4,007,800	1,068,200	
PLANT HEAT RATE (BTU/KWH)[3]	10,252	9,585	11,767	10,816	10,664	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)			59.00	2,310.80	515.80	
AVERAGE HEAT CONTENT (BTU/LB)			10,840	9,275	11,011	
AVERAGE SULFUR CONTENT (%)			3.54	4.39	3.73	
AVERAGE ASH CONTENT (%)			13.36	22.40	13.20	
AVERAGE MOISTURE CONTENT (%)			11.54	14.59	10.85	
OIL: CONSUMPTION (1,000 BARRELS)	3,597.00	7,824.00	.52	82.80	5.60	
AVERAGE HEAT CONTENT (BTU/GAL)	147,115	146,535	137,000	138,387	138,134	
AVERAGE SULFUR CONTENT (%)	1.99	2.03	.10	.03	.20	
GAS: CONSUMPTION (1,000 MCF)	21.40					
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,008					

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	4	2	2	2	3	
- NO. OF WET BOTTOM			1	2		
- NO. WITH FLY ASH REINJECTION	4	2	1	2		
- NO. WITH MECHANICAL PRECIPITATORS		2	1			
- NO. WITH ELECTROSTATIC PRECIPITATORS	4			2	3	
- NO. WITH COMBINATION PRECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	15.00	3.00	8.00 25.00	16.00	25.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		85.00	75.00			
TESTED, LOW - HIGH			73.00			
ESTIMATED, LOW - HIGH		85.00	65.00			
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	98.00			99.00	97.10	
TESTED, LOW - HIGH	54.50 93.10			97.38 98.10	97.70 98.70	
EST., LOW - HIGH	50.00			97.38 99.00	98.00	
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.30	.20	1.77	1.25	1.16	
SULFUR DIOXIDE (1,000 TONS)	24.02	53.29	4.09	198.84	37.71	
NITROGEN OXIDES (1,000 TONS)	7.94	17.25	1.38	63.73	4.65	
STACKS: - TOTAL NO.	4	2	2	1	3	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	220.00 240.00	260.00	146.00 147.60	500.00	200.00 251.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	.33	.80				
TOTAL ASH: COLLECTED (1,000 TONS)[10]	.15	.30	6.20	517.40	68.10	
SOLD (1,000 TONS)[11]	.06	.30				
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)		4,010.00	15.60			
ELECTROSTATIC PRECIPITATORS ($1,000)	2,973.00			13,022.00	2,273.00	
COMBINATION PRECIPITATORS ($1,000)[4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	516.00	2,590.00	43.80	469.40		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	155.00	143.00	11.80	1,295.40	40.60	
REVENUES FROM SALE OF ASH ($1,000)	2.00	147.00				
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	305.00	343.00	11.80	1,295.40	40.60	
TOTAL BYPRODUCT SALES REVENUES ($1,000)	2.00	147.00				

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	R HUDSON	R HUDSON	R MISSOURI	U MCDAVID BR/SHO	P MISSISSIPPI	
AVERAGE RATE OF WITHDRAWAL (CFS)	454.00	906.00	49.40	284.00	204.00	
AVERAGE RATE OF DISCHARGE (CFS)	454.00	906.00	49.40	284.00	204.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	3.90	7.79	.42 .02		1.75	
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG JAN	AUG DEC	AUG JAN	AUG DEC	AUG DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	83.00 37.00	85.00 47.00	85.00 43.00	90.00 58.00	86.00 45.00	
AT OUTFALL, SUMMER - WINTER	96.00 58.00	102.00 57.00	102.00 64.00	110.00 91.00	101.00 70.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	TIDAL	980.00	82,000.00		146,000.00	
- WINTER	TIDAL	527.00	50,000.00		93,500.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	H	C	D	H	H	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.40	.15	.05		.30	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	82.75	127.86	7.00	4,707.50	31.50	
LIME (TONS), COOLING WATER - BOILER MAKEUP			3.10	14.10	7.50 37.50	
ALUM (TONS), COOLING WATER - BOILER MAKEUP	.75		.28	10.55	25.00	
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP				96.00 4.49	.30	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES	YES	YES YES	YES YES	YES YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT		ST	OT	OT	
RECEIVING WATER BODY	P HUDSON	R HUDSON	R MISSOURI	L COFFEEN	R MISSISSIPPI	
RONO DISCHARGE[19]: PH. BOILER BLOWDOWN - ASH SETTLING	6.70 6.90	8.50	8.90		8.20	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	50.00 50.00	20.00			33.70	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	18,100.00	2,930.00				
- ASH SETTLING	50.00		1,659.00	200,856.35		

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	4 531.91	2 1,242.00	2 67.70		2 194.00	
ONCE THROUGH COOLING (SALINE)				2 1,005.46		
COOLING PONDS(S)						
COOLING TOWER(S)						
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1951 1967	1974	1953 1960	1965 1972	1950 1958	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	14.03 14.99	17.60	15.00	19.00 21.95	8.60 15.15	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	704.00	1,428.00	106.90	817.40	336.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	704.00	1,428.00	113.60		336.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	3,603.00	24,465.00	569.00		153.00	
COOLING PONDS ($1,000)				1,790.00		
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	120.00	15.00	16.50	11.20	15.40	
COST OF CHEMICAL ADDITIVES ($1,000)				8.50	3.20	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	275.00	97.00	11.60	966.40	22.00	
COST OF CHEMICAL ADDITIVES ($1,000)	47.00	91.00	4.60	563.20	9.00	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	CENTRAL ILLINOIS P.S. CO.	CENTRAL ILLINOIS P.S. CO.	CENTRAL ILLINOIS LIGHT CO.	CENTRAL ILLINOIS LIGHT CO.	CENTRAL ILLINOIS. LIGHT CO.	1
2							2
3							3
4	NAME OF PLANT	HUTSONVILLE	MEREDOSIA	EDWARDS	KEYSTONE	WALLACE	4
5	UTILITY-PLANT CODE	078500-0300	078500-0400	079000-0100	079000-0200	079000-0400	5
6	STATE	ILLINOIS	ILLINOIS	ILLINOIS	ILLINOIS	ILLINOIS	6
7	COUNTY	CRAWFORD	MORGAN	PEORIA	PEORIA	TAZEWELL	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	074 05	075 07	065 07	065 07	065 07	8
9	PLANT CAPACITY (MW)	212.50	548.00	697.00	50.00	308.00	9
10	ANNUAL GENERATION (MWH)[3]	927,000	1,538,200	3,353,500	56,000	799,200	10
11	PLANT HEAT RATE (BTU/KWH)[3]	10,654	10,480	9,914	26,896	13,125	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	404.20	691.60	1,687.02		463.40	12
13	AVERAGE HEAT CONTENT (BTU/LB)	11,417	10,837	9,847		9,191	13
14	AVERAGE SULFUR CONTENT (%)	2.86	3.39	2.08		1.53	14
15	AVERAGE ASH CONTENT (%)	10.79	10.12	13.59		12.16	15
16	AVERAGE MOISTURE CONTENT (%)	11.61	15.81	18.44		21.78	16
17	OIL: CONSUMPTION (1,000 BARRELS)	112.20	183.50	7.98			17
18	AVERAGE HEAT CONTENT (BTU/GAL)	137,571	144,597	139,300			18
19	AVERAGE SULFUR CONTENT (%)	.23	.10	.10			19
20	GAS: CONSUMPTION (1,000 MCF)				1,506.15	1,874.30	20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)				1,000	1,000	21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	6	6	3	4	10	22
23	- NO. OF WET BOTTOM						23
24	- NO. WITH FLY ASH REINJECTION						24
25	- NO. WITH MECHANICAL PRECIPITATORS						25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	2	5	3		2	26
27	- NO. WITH COMBINATION PRECIPITATORS[4]					4	27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	22.00 25.00	10.00 25.00	18.00 20.00	115.00	20.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH					85.00	30
31	TESTED, LOW - HIGH						31
32	ESTIMATED, LOW - HIGH						32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	97.50	97.00 98.00	97.00 99.00		85.00	33
34	TESTED, LOW - HIGH	99.20 99.40	94.70 99.60	97.70 99.40		95.00 97.00	34
35	EST., LOW - HIGH	99.00	95.00 99.00			95.00 97.00	35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.39	2.55	2.26		1.78	39
40	SULFUR DIOXIDE (1,000 TONS)	22.74	46.01	68.78		13.35	40
41	NITROGEN OXIDES (1,000 TONS)	3.89	6.63	15.18	.29	4.28	41
42	STACKS: - TOTAL NO.	4	5	2	4	5	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	197.00	201.16 300.00	503.00	91.00	195.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	43.50	102.00	191.90		56.50	45
46	SOLD (1,000 TONS)[11]			6.60		4.20	46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	2,202.00	3,672.00	1,778.21		38.00 436.70	51
52	COMBINATION PRECIPITATORS ($1,000)[4]						52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)	89.10	87.00	2,946.24	24.00	42.60	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	29.10	64.80	188.00		98.30	55
56	REVENUES FROM SALE OF ASH ($1,000)			11.00		6.90	56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	29.10	64.80	188.00		98.30	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)			11.00		6.90	60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE[15]	R WABASH	R ILLINOIS	R ILLINOIS	R ILLINOIS	R ILLINOIS	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	189.00	302.00	350.00	55.30	233.00	62
63	AVERAGE RATE OF DISCHARGE (CFS)	189.00	302.00	350.00	55.30	233.00	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.63	2.60	3.01	.48	2.00	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC	AUG DEC	AUG JAN	AUG DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	90.00 54.00	86.00 42.00	80.00 46.00	86.00 45.00	81.00 39.00	66
67	AT OUTFALL, SUMMER - WINTER	104.00 77.00	98.00 70.00	105.00 71.00	101.00 62.00	92.00 58.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	6,000.00	14,600.00	22,000.00	22,000.00	22,000.00	68
69	- WINTER	11,900.00	16,800.00	22,500.00	22,500.00	22,500.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	H	H	C		C	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.18	.65		1.44	.15	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.05	115.50	210.41	32.54	122.42	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	15.59	16.90	45.67	46.51	28.58	73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP		24.00	1.23		2.05	74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	11.00 .12	64.00	9.90	3.00	35.15 .60	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES YES	YES	YES	YES	76
77	SEWAGE DISPOSAL: METHOD RS, ST, SW, OT[18]	OT	OT	ST	ST	PS	77
78	RECEIVING WATER BODY	R WABASH	R ILLINOIS				78
79	POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING	10.30 8.20	8.20 8.20	9.20		9.00	79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	100.00 72.00	50.00 50.00	5.00		23.00	80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	148.40					81
82	- ASH SETTLING	103,347.00		81,744.38		170.78	82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	4 212.50	3 354.36	3 779.00	4 54.38	7 351.43	83
84	ONCE THROUGH COOLING (SALINE)						84
85	COOLING POND(S)						85
86	COOLING TOWER(S)		1 194.00				86
87	COMBINATION[21]						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: LOWEST SYSTEM - NEWEST SYSTEM	1941 1953	1948 1975	1960 1972	1918 1956	1925 1958	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	16.40 20.70	9.50 22.00	17.16 20.00	15.00	18.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	400.00	795.00	883.82	155.74	641.65	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	400.00	605.00	1,091.40	155.74	730.35	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	278.10	313.50	7,800.00	640.00	2.36	92
93	COOLING PONDS ($1,000)						93
94	COOLING TOWERS ($1,000)		386.70				94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	46.50	15.50	67.83	14.52		95
96	COST OF CHEMICAL ADDITIVES ($1,000)	3.20	10.60	2.47	.74		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	94.20	109.50	175.79	50.64		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	16.00	53.20	67.68	11.12		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	CENTRAL LOUISIANA ELECTRIC CO.	CENTRAL LOUISIANA ELECTRIC CO.	CENTRAL LOUISIANA ELECTRIC CO.	CENTRAL MAINE PWR CO.	CENTRAL MAINE PWR. CO.	
NAME OF PLANT	COUGHLIN	ROOEMACHER	TECHE	MASON	HYMAN	
UTILITY-PLANT CODE	080000-0200	080000-0950	080000-1000	080500-1600	080500-2700	
STATE	LOUISIANA	LOUISIANA	LOUISIANA	MAINE	MAINE	
COUNTY	EVANGELINE	RAPIDES	ST. MARY	LINCOLN	CUMBERLAND	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	106 08	106 08	106 08	107 01	110 01	
PLANT CAPACITY (MW)	483.38	445.50	427.90	146.50	213.60	
ANNUAL GENERATION (MWH)[3]	1,487,200	94,000	1,913,900	164,900	1,230,600	
PLANT HEAT RATE (BTU/KWH)[3]	10,658	11,056	10,030	14,595	10,463	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)						
AVERAGE HEAT CONTENT (BTU/LB)						
AVERAGE SULFUR CONTENT (%)						
AVERAGE ASH CONTENT (%)						
AVERAGE MOISTURE CONTENT (%)						
OIL: CONSUMPTION (1,000 BARRELS)	14.62		1.03	385.00	2,086.00	
AVERAGE HEAT CONTENT (BTU/GAL)	135,435		136,595	149,052	148,147	
AVERAGE SULFUR CONTENT (%)	.20		.20	2.00	2.12	
GAS: CONSUMPTION (1,000 MCF)	14,631.03	6,771.88	17,680.52			
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,080	1,063	1,094			

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	7	1	3	7	3	
- NO. OF WET BOTTOM				2		
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS				5	3	
- NO. WITH ELECTROSTATIC PRECIPITATORS				2		
- NO. WITH COMBINATION PRECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	8.00 18.00	6.00	8.00 18.00	18.00	10.00 12.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH				86.00	85.00	
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH				30.00	30.00	
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH				95.00		
TESTED, LOW - HIGH						
EST., LOW - HIGH				95.00		
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)				.02	.24	
SULFUR DIOXIDE (1,000 TONS)	.01			2.58	14.73	
NITROGEN OXIDES (1,000 TONS)	2.89	1.32	3.45	.85	4.57	
STACKS: - TOTAL NO.	6	1	3	7	3	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	76.50 119.00	196.00	16.40 105.20	126.00 149.00	166.00 194.50	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]					.09	
TOTAL ASH: COLLECTED (1,000 TONS)[10]				.03	.30	
SOLD (1,000 TONS)[11]					.10	
TOTAL SULFUP: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)				79.90	180.80	
ELECTROSTATIC PRECIPITATORS ($1,000)				125.40		
COMBINATION PRECIPITATORS ($1,000)[4]						
DESULFURIZATION SYSTEMS ($1,000)				237.90	390.50	
STACKS ($1,000)						
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)					7.50	
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]					7.50	
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE[14]	O BAYOU COCODRIE	O WATERSHED	O CHARENTON CANA	O SHEEPSCOTT BAY	O CASCO BAY	
AVERAGE RATE OF WITHDRAWAL (CFS)	24.13	26.74	425.00	42.57	178.47	
AVERAGE RATE OF DISCHARGE (CFS)	6.13		425.00	42.54	178.33	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	16.00	26.74	3.66	.37 .04	1.53 .14	
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG OEC	AUG OEC	AUG OEC	AUG OEC	AUG OEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	86.80 61.00	94.80 65.70	68.00 44.00	70.00 43.00		
AT OUTFALL, SUMMER - WINTER	90.60 66.00	92.50 60.00	121.30 101.20	89.00 67.00	110.00 87.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	734.00					
- WINTER	235.00					
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	C	C	H	H	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	5.17 .19	.85	.01 .05	.67	.99	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	10.09 10.09	23.43	19.09	10.05	55.85	
LIME (TONS), COOLING WATER - BOILER MAKEUP				8.72		
ALUM (TONS), COOLING WATER - BOILER MAKEUP	9.76	6.90				
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	2.70	1.23	.04			
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES YES	YES YES	YES YES	YES YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT	OT	OT	ST	ST	
RECEIVING WATER BODY	O BAYOU COCODRIE	L COPEMACHER	O CHARENTON CANA	O SHEEPSCOT BAY		
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING				7.10	6.60	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING				65.00	20.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING						

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)			3 427.90			
ONCE THROUGH COOLING (SALINE)				5 139.00	3 213.60	
COOLING POND(S)	6 458.38	1 445.50				
COOLING TOWER(S)						
COMBINATIONS[21]	1 25.00					
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1948 1966	1975	1953 1971	1942 1955	1957 1965	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	10.00 22.00	20.00	15.00 26.00	13.00 24.00	15.50 20.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	562.10	428.00	371.60	256.60	254.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	46.70		371.60	268.30	251.60	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)				1,362.50	1,411.20	
COOLING PONDS ($1,000)	500.00					
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)				14.00		
COST OF CHEMICAL ADDITIVES ($1,000)	12.88	1.33	1.33	1.80	1.40	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)				34.00	44.00	
COST OF CHEMICAL ADDITIVES ($1,000)	5.95	8.72	9.99	6.50	33.00	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	CENTRAL OPERATING CO.	CENTRAL P&L CO. LIGHT CO.	CENTRAL P&L CO.	CENTRAL P&L CO.	CENTRAL P&L CO.
2						
3						
4	NAME OF PLANT	SPORN	OAVIS	BATES	LAREDO	HILL
5	UTILITY-PLANT CODE	081000-0100	082000-0050	082000-0200	082000-0300	082000-0400
6	STATE	WEST VIRGINIA	TEXAS	TEXAS	TEXAS	TEXAS
7	COUNTY	MASON	NUECES	HIDALGO	WEBB	NUECES
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	103 05	214 12	213 13	213 13	214 12
9	PLANT CAPACITY (MW)	1,060.00	352.80	188.70	177.00	574.20
10	ANNUAL GENERATION (MWH)[3]	4,168,000	948,200	572,700	396,300	1,458,000
11	PLANT HEAT RATE (BTU/KWH)[3]	9,473	10,602	11,170	12,662	10,318

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	1,633.10				
13	AVERAGE HEAT CONTENT (BTU/LB)	11,247				
14	AVERAGE SULFUR CONTENT (%)	1.29				
15	AVERAGE ASH CONTENT (%)	15.78				
16	AVERAGE MOISTURE CONTENT (%)	7.81				
17	OIL: CONSUMPTION (1,000 BARRELS)	67.80	.26		8.47	
18	AVERAGE HEAT CONTENT (BTU/GAL)	137,022	140,000		140,000	
19	AVERAGE SULFUR CONTENT (%)	.10	.60		.12	
20	GAS: CONSUMPTION (1,000 MCF)		9,758.40	6,128.10	4,707.10	14,510.20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,030	1,047	1,062	1,037

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	5	1	2	3	4
23	- NO. OF WET BOTTOM					
24	- NO. WITH FLY ASH REINJECTION					
25	- NO. WITH MECHANICAL PRECIPITATORS	4				
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	1				
27	- NO. WITH COMBINATION PRECIPITATORS[4]					
28	- NO. WITH DESULFURIZATION SYSTEMS					
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00	8.00	5.00 7.00	8.00	5.00 7.00
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	85.00				
31	TESTED, LOW - HIGH					
32	ESTIMATED, LOW - HIGH	85.00				
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	95.00				
34	TESTED, LOW - HIGH					
35	EST., LOW - HIGH	95.00				
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH					
37	TESTED, LOW - HIGH					
38	ESTIMATED, LOW - HIGH					

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	22.70				
40	SULFUR DIOXIDE (1,000 TONS)	41.31				
41	NITROGEN OXIDES (1,000 TONS)	14.85	1.90	1.19	.94	2.83
42	STACKS: - TOTAL NO.	2	1	2	3	5
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	600.00 601.50	188.00	149.00	110.00 175.50	149.00
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]					
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	240.60				
46	SOLD (1,000 TONS)[11]	.30				
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)					
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]					
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)					
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)					
51	ELECTROSTATIC PRECIPITATORS ($1,000)					
52	COMBINATION PRECIPITATORS ($1,000)[4]					
53	DESULFURIZATION SYSTEMS ($1,000)					
54	STACKS ($1,000)	1,160.00	80.00	137.20	155.70	330.60
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	565.70				
56	REVENUES FROM SALE OF ASH ($1,000)	.12				
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)					
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)					
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	565.70				
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	.12				

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	R OHIO	O LAGUNA MADRE	M	P RIO GRANDE	M
62	AVERAGE RATE OF WITHDRAWAL (CFS)	822.00	273.30	2.04	1.56	3.64
63	AVERAGE RATE OF DISCHARGE (CFS)	822.00	273.30	.46	.28	.78
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	7.07		1.58	1.28	2.86
65	PEAK LOAD MONTH : SUMMER[15] - WINTER[15]	AUG DEC	JUL DEC	JUN DEC	AUG NOV	
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT CIVEPSION, SUMMER - WINTER	84.00 48.00	91.00 73.00		86.00 77.00	
67	AT OUTFALL, SUMMER - WINTER	95.00 58.00	89.00 71.00	102.00 95.00	93.00 90.00	
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	23,000.00				
69	- WINTER	81,000.00				
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	C	C	O	O	O
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.14	.10	.06	.40	.15
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.03	93.08	27.70	14.18	17.85
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	7.25		5.00		
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP					
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	24.00	20.00	5.00	2.00	12.00
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES	YES	YES YES	YES YES	YES YES
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT	OT	ST	ST	PS
78	RECEIVING WATER BODY[19]		O COOLING POND			
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	7.40				
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	72.00				
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN					
82	- ASH SETTLING	1,221.00				

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING: ONCE THROUGH COOLING (FRESH)	5 1,050.00				
84	ONCE THROUGH COOLING (SALINE)					
85	COOLING POND(S)					
86	COOLING TOWER(S)			2 188.70	3 177.00	4 574.20
87	COMBINATIONS[21]		1 352.80			
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1949 1960	1974	1958 1960	1951 1975	1954 1969
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	13.20 13.30	20.00	16.00 16.90	15.50 20.50	16.00 22.20
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,557.00	361.20	268.00	127.00	689.00
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,557.00	361.20			

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)		2,108.00			
93	COOLING PONDS ($1,000)		5,000.00			
94	COOLING TOWERS ($1,000)			1,794.00	1,139.00	3,625.00

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)		35.90	70.80	46.80	80.40
96	COST OF CHEMICAL ADDITIVES ($1,000)	6.00	4.50	12.30	12.90	17.00

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)		15.90	14.20	13.10	26.10
98	COST OF CHEMICAL ADDITIVES ($1,000)	26.80	17.50	6.80	6.80	15.20

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	CENTRAL P&L CO.	CENTRAL P&L CO.	CENTRAL P&L CO.	CENTRAL P&L CO.	CENTRAL TELE & UTIL. CORP - W PWR DIV.	
NAME OF PLANT	NUECES BAY	LA PALMA	VICTORIA	JOSLIN	CIMARRON RIVER	
UTILITY-PLANT CCOE	082000-0500	082000-0600	082000-0700	082000-0800	082500-0100	
STATE	TEXAS	TEXAS	TEXAS	TEXAS	KANSAS	
COUNTY	NUECES	CAMERON	VICTORIA	CALHOUN	SEWARD	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	214 12	213 13	213 12	214 12	100 11	
PLANT CAPACITY (MW)	595.50	219.00	553.50	261.00	50.00	
ANNUAL GENERATION (MWH)[3]	1,994,100	755,600	1,645,900	1,055,000	397,900	
PLANT HEAT RATE (BTU/KWH)[3]	9,937	10,681	10,349	9,765	10,360	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)						
AVERAGE HEAT CONTENT (BTU/LB)						
AVERAGE SULFUR CONTENT (%)						
AVERAGE ASH CONTENT (%)						
AVERAGE MOISTURE CONTENT (%)						
OIL: CONSUMPTION (1,000 BARRELS)	12.00	.80		3.90		
AVERAGE HEAT CONTENT (BTU/GAL)	140,000	140,000		140,000		
AVERAGE SULFUR CONTENT (%)	.50	.20		.60		
GAS: CONSUMPTION (1,000 MCF)	19,061.00	7,510.20	16,521.00	9,941.00	4,085.00	
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,030	1,074	1,031	1,036	1,012	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	5	5	4	1	1	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS						
- NO. WITH ELECTROSTATIC PRECIPITATORS						
- NO. WITH COMBINATION PRECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	6.00 15.00	6.00 15.00	9.00 8.00	6.00	5.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
EST., LOW - HIGH						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)				.01		
SULFUR DIOXIDE (1,000 TONS)	.02	1.47	3.22	1.95	.80	
NITROGEN OXIDES (1,000 TONS)	3.74	4	4	1	1	
STACKS: - TOTAL NO.	4	4	4	1	1	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	136.00 177.00	85.00 149.50	149.00	183.00	90.50	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]						
SOLD (1,000 TONS)[11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000)[4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	191.10		188.00	50.70	17.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]						
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE[14]	O SHIP CHANNEL	M	R GUADALUPE	O LAVACA BAY	M	
AVERAGE RATE OF WITHDRAWAL (CFS)	671.20	2.30	93.40	357.40	1.10	
AVERAGE RATE OF DISCHARGE (CFS)	671.20	.50	90.00	357.40	.40	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	5.77	1.80	3.40	3.07	.70	
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG NOV		AUG NOV	AUG NOV	JUL JAN	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	88.00 77.00		88.00 75.00	86.00 75.00	89.00 83.00	
AT OUTFALL, SUMMER - WINTER	102.00 91.00		103.00 90.00	104.00 104.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER						
- WINTER						
FREQUENCY OF TEMPERATURE MONITORING: C, M, O, O[16]	C	O	O	C	M	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.10	.05	.20	.50	4.89	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	102.23	16.46	25.70	38.78	7.30	
LIME (TONS), COOLING WATER - BOILER MAKEUP						
ALUM (TONS), COOLING WATER - BOILER MAKEUP						
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	17.00	3.70	6.00	74.00	1.72	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES YES	YES YES	YES YES	YES YES	YES YES	
SEWAGE DISPOSAL: METHOD (PS, ST, SW, OT)[18]	ST		PS	OT	ST	
RECEIVING WATER BODY				O LA VACA BAY		
POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING						
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING						

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)				1 261.00		
ONCE THROUGH COOLING (SALINE)	5 595.50					
COOLING PONDS					1 50.00	
COOLING TOWERS		4 229.00	2 298.50			
COMBINATIONS[21]			2 255.00			
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1942 1972	1928 1970	1952 1968	1971	1963	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	13.30 17.70	11.50 16.10	13.90 22.60	16.30	10.60	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	841.70	357.40	622.70	325.30	93.60	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	841.70		288.40	325.30		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	2,788.00		383.00	754.00		
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)		597.70	2,247.00		299.00	

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	41.20	35.60	45.20	41.00	16.00	
COST OF CHEMICAL ADDITIVES ($1,000)	11.00	21.40	82.60	26.20	11.00	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	26.30	13.90	10.80	15.70	16.00	
COST OF CHEMICAL ADDITIVES ($1,000)	20.70	7.70	23.50	10.10	5.00	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	CENTRAL TELE & UTIL. CORP - W	CENTRAL TELE & UTIL. CORP - W	CENTRAL TELE & UTIL. CORP. - SD.	CENTRAL TELE & UTIL. CORP. - SD.	AUSTIN CITY ELECTRIC DEPT	1
2		PWR DIV.	PWR DIV.	COLO. PWR. DIV.	COLO. PWR. DIV.		2
3		LARGE	MULLERGREN	PUEBLO	CLARK	HOLLY STREET	3
4	NAME OF PLANT	082500-0300	082500-0600	082500-1000	082500-1200	089500-0100	4
5	UTILITY-PLANT CODE	KANSAS	KANSAS	COLORADO	COLORADO	TEXAS	5
6	STATE	FORD	BARTON	PUEBLO	FREMONT	TRAVIS	6
7	COUNTY	100 11	097 11	038 11	038 11	212 12	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	179.50	119.10	30.00	38.50	626.00	8
9	PLANT CAPACITY (MW)	549,500	623,200	146,000	298,000	1,500,000	9
10	ANNUAL GENERATION (MWH)[3]	11,343	10,964	13,459	13,439	10,650	10
11	PLANT HEAT RATE (BTU/KWH)[3]						11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)				99.70		12
13	AVERAGE HEAT CONTENT (BTU/LB)				10,411		13
14	AVERAGE SULFUR CONTENT (%)				.70		14
15	AVERAGE ASH CONTENT (%)				17.00		15
16	AVERAGE MOISTURE CONTENT (%)				10.00		16
17	OIL: CONSUMPTION (1,000 BARRELS)	495.42	164.86	5.10		2.80	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	146,066	147,357	142,000		145,625	18
19	AVERAGE SULFUR CONTENT (%)	.64	.85	.30		1.00	19
20	GAS: CONSUMPTION (1,000 MCF)	3,417.00	6,081.00	2,281.80	1,951.20	15,386.90	20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	935	953	848	982	1,018	21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	5	3	5	2	4	22
23	- NO. OF WET BOTTOM						23
24	- NO. WITH FLY ASH REINJECTION						24
25	- NO. WITH MECHANICAL PRECIPITATORS				2		25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS			5	2		26
27	- NO. WITH COMBINATION PRECIPITATORS[4]						27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	8.00 15.00	12.00 15.00	12.50 30.00	24.00	10.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH				93.00		30
31	TESTED, LOW - HIGH				93.00		31
32	ESTIMATED, LOW - HIGH						32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH						33
34	TESTED, LOW - HIGH						34
35	EST., LOW - HIGH						35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.08	.03		1.95		39
40	SULFUR DIOXIDE (1,000 TONS)	1.06	.47	.01	1.37	.01	40
41	NITROGEN OXIDES (1,000 TONS)	1.76	1.55	.46	1.13	3.01	41
42	STACKS: - TOTAL NO.	3	4	2	2		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	80.00 152.00	132.00 146.00	150.00 270.00	150.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]				15.60		45
46	SOLD (1,000 TONS)[11]				15.60		46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			12.00	46.00		50
51	ELECTROSTATIC PRECIPITATORS ($1,000)						51
52	COMBINATION PRECIPITATORS ($1,000)[4]						52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)	58.00	69.00	66.00	66.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)				8.60		55
56	REVENUES FROM SALE OF ASH ($1,000)						56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]				8.60		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)						60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE[14]	W	W	R	R	R COLORADO	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	1.50	1.90	45.00	60.00	588.00	62
63	AVERAGE RATE OF DISCHARGE (CFS)	.30	.60	45.00	59.00	588.00	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.20	1.30	1.00	1.00	5.06	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL JAN	JUL JAN	JUL OEC	JUL OEC	AUG OEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER			72.00 44.00	70.00 39.00	79.00 60.00	66
67	AT OUTFALL, SUMMER - WINTER	90.00 83.00	82.00 79.00	73.00 45.00	71.00 40.00	96.00 73.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER			800.00	800.00	550.00	68
69	- WINTER			500.00	300.00	380.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	H	H	C	C	H	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.34 .04	1.47 .03	.05	.15	2.00	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	2.34	15.64	.05	.10		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP		116.61				73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP		6.87				74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	6.82	3.53	2.00	1.00		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES YES	YES	YES	YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	ST	PS	RS	PS	77
78	RECEIVING WATER BODY[19]						78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING						79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING						81
82							82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	2 12.00				4 550.00	83
84	ONCE THROUGH COOLING (SALINE)						84
85	COOLING POND(S)						85
86	COOLING TOWER(S)	2 167.50	3 119.10				86
87	COMBINATIONS[21]						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1932 1969	1953 1963	3 30.00 1922 1949	2 38.50 1955 1959	1960 1974	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	10.30 20.10	10.30 14.50	9.00 10.00	13.00 16.00	10.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	242.34	214.58	90.00	72.80	930.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	13.40		90.00	72.80	930.00	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	8.00		600.00	100.00		92
93	COOLING PONDS ($1,000)			150.00	30.00		93
94	COOLING TOWERS ($1,000)	970.00	714.00	298.00	73.00		94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	28.00	38.00	17.80	13.00		95
96	COST OF CHEMICAL ADDITIVES ($1,000)	18.00	27.00	1.00	.30		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	30.00	22.00	7.70	43.00		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	2.00	4.00	.20	1.10		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	AUSTIN CITY ELECTRIC DEPT	AUSTIN CITY ELECTRIC DEPT	BRYAN, CITY OF	FARMINGTON ELEC UTILITY SYS	LAFAYETTE CITY - PARISH UTIL SYSTEM	1
2							2
3							3
4	NAME OF PLANT	SEAHOLM	DECKER CREEK	BRYAN	ANIMAS	BONIN	4
5	UTILITY-PLANT CODE	089500-0200	089500-0300	091500-0100	092500-0100	094000-0100	5
6	STATE	TEXAS	TEXAS	TEXAS	NEW MEXICO	LOUISIANA	6
7	COUNTY	TRAVIS	TRAVIS	BRAZOS	SAN JUAN	LAFAYETTE	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	212 12	212 12	212 12	014 14	106 08	8
9	PLANT CAPACITY (MW)	125.00	321.00	128.66	33.00		9
10	ANNUAL GENERATION (MWH)[3]	277,000	1,003,000	455,000	114,000	505,000	10
11	PLANT HEAT RATE (BTU/KWH)[3]	14,010	10,255	12,711	13,982	11,910	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)							12
13	AVERAGE HEAT CONTENT (BTU/LB)							13
14	AVERAGE SULFUR CONTENT (%)							14
15	AVERAGE ASH CONTENT (%)							15
16	AVERAGE MOISTURE CONTENT (%)							16
17	OIL: CONSUMPTION (1,000 BARRELS)	5.10	5.00	5.30				17
18	AVERAGE HEAT CONTENT (BTU/GAL)	147,500	137,000	141,000				18
19	AVERAGE SULFUR CONTENT (%)	1.00	.20	.18				19
20	GAS: CONSUMPTION (1,000 MCF)	3,776.40	10,068.00	5,650.30	1,366.55	5,433.00		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,019	1,021	1,019	1,121	1,107		21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	5	1	6	4	2		22
23	- NO. OF WET BOTTOM							23
24	- NO. WITH FLY ASH REINJECTION							24
25	- NO. WITH MECHANICAL PRECIPITATORS							25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS							26
27	- NO. WITH COMBINATION PRECIPITATORS[4]							27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00	10.00	7.00	12.00 16.00	7.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH							32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH							33
34	TESTED, LOW - HIGH							34
35	EST., LOW - HIGH							35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)							39
40	SULFUR DIOXIDE (1,000 TONS)	.02		1.11	.25	1.06		40
41	NITROGEN OXIDES (1,000 TONS)	.75	1.97					41
42	STACKS: - TOTAL NO.			6	3			42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]			51.00 72.00	70.00			43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]							45
46	SOLD (1,000 TONS)[11]							46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							50
51	ELECTROSTATIC PRECIPITATORS ($1,000)							51
52	COMBINATION PRECIPITATORS ($1,000)[4]							52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)							54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)							55
56	REVENUES FROM SALE OF ASH ($1,000)							56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]							59
60	TOTAL BYPRODUCT SALES REVENUES ($,000)							60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE -	P COLORADO	L LONG	W	P ANIMAS	W		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	146.00	412.00	1.57	63.00			62
63	AVERAGE RATE OF DISCHARGE (CFS)	146.00	412.00	.79	63.00			63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.26	3.54	.78				64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC		JUL DEC			65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	77.00 52.00	75.00 70.00		65.00 65.00			66
67	AT OUTFALL, SUMMER - WINTER	93.00 60.00	85.00 75.00		85.00 80.00			67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	200.00			205.00			68
69	- WINTER	160.00			205.00			69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	H	H	H	O			70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.00	.60	.15	.22			71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP			.25	.80			72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP				.78			73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP							74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP			.75				75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES YES				76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	OT/PS	PS	PS			77
78	RECEIVING WATER BODY							78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING							79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING							80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							81
82	- ASH SETTLING							82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	5 100.00	1 321.00					83
84	ONCE THROUGH COOLING (SALINE)							84
85	COOLING PONDS)							85
86	COOLING TOWERS)			6 128.66		2 143.25		86
87	COMBINATIONS[21]				4 33.00			87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1951 1958	1970	1950 1969	1957 1959	1965 1970		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	10.00	10.00	15.00	20.00	20.00		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	298.70	517.00	239.00	61.50	247.00		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	298.70	517.00		63.00			91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)		5,500.00		150.00			92
93	COOLING PONDS ($1,000)							93
94	COOLING TOWERS ($1,000)				300.00	509.10		94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)							95
96	COST OF CHEMICAL ADDITIVES ($1,000)			32.30				96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)				.50			97
98	COST OF CHEMICAL ADDITIVES ($1,000)			5.00	.70			98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	LAFAYETTE CITY UTIL SYSTEM	INDEPENDENCE PWR & LIGHT DEPT	SAN ANTONIO CITY PUBL SERVICE BRD	SAN ANTONIO CITY PUBL SERVICE BRD	SAN ANTONIO CITY PUBL SERVICE BRD
2						
3						
4	NAME OF PLANT	ROOSEVELT, C. A.	BLUE VALLEY	LEON CREEK	MISSION ROAD	BRAUNIG
5	UTILITY-PLANT CODE	094000-0300	099500-0100	100000-0100	100000-0200	100000-0300
6	STATE	LOUISIANA	MISSOURI	TEXAS	TEXAS	TEXAS
7	COUNTY	LAFAYETTE	JACKSON	BEXAR	BEXAR	BEXAR
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	106 08	094 10	217 12	217 12	217 12
9	PLANT CAPACITY (MW)	42.65	115.00	264.00	164.00	894.00
10	ANNUAL GENERATION (MWH) [3]	94,000	474,000	120,500	345,100	2,199,300
11	PLANT HEAT RATE (BTU/KWH) [3]	16,442	12,238	12,505	10,325	10,146

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)		130.70				
13	AVERAGE HEAT CONTENT (BTU/LB)		10,907				
14	AVERAGE SULFUR CONTENT (%)		2.01				
15	AVERAGE ASH CONTENT (%)		11.75				
16	AVERAGE MOISTURE CONTENT (%)		8.56				
17	OIL: CONSUMPTION (1,000 BARRELS)		8.20	34.70	.47	35.05	
18	AVERAGE HEAT CONTENT (BTU/GAL)		138,266	145,568	148,443	147,588	
19	AVERAGE SULFUR CONTENT (%)		.12	.76	.62	.39	
20	GAS: CONSUMPTION (1,000 MCF)	1,414.00	2,940.90	1,271.03	3,446.72	21,388.98	
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,093	987	1,016	1,033	1,033	

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	4	3	4	3	3	
23	- NO. OF WET BOTTOM		3				
24	- NO. WITH FLY ASH REINJECTION						
25	- NO. WITH MECHANICAL PRECIPITATORS		3				
26	- NO. WITH ELECTROSTATIC PRECIPITATORS						
27	- NO. WITH COMBINATION PRECIPITATORS [4]						
28	- NO. WITH DESULFURIZATION SYSTEMS						
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	7.00 15.00	15.00	10.00	10.00	7.00 10.00	
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		85.00 90.30				
31	TESTED, LOW - HIGH						
32	ESTIMATED, LOW - HIGH		85.00 90.30				
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH						
34	TESTED, LOW - HIGH						
35	EST., LOW - HIGH						
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
37	TESTED, LOW - HIGH						
38	ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)		1.18	.01		.01	
40	SULFUR DIOXIDE (1,000 TONS)		5.15	.09		.05	
41	NITROGEN OXIDES (1,000 TONS)	.23	2.55	.32	.67	4.25	
42	STACKS: - TOTAL NO.		3	3	2	3	
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]						
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]	152.50	250.00	100.00 150.00	150.00	174.00 187.00	
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]		18.00				
46	SOLD (1,000 TONS) [11]						
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)		58.80				
51	ELECTROSTATIC PRECIPITATORS ($1,000)						
52	COMBINATION PRECIPITATORS ($1,000) [4]						
53	DESULFURIZATION SYSTEMS ($1,000)						
54	STACKS ($1,000)						
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		99.70	69.20	35.90	104.50	
56	REVENUES FROM SALE OF ASH ($1,000)		13.80				
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]						
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)		13.80				

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE [14]	W	W	O EDWARDS AQUIFE	O EDWARDS AQUIFER	R	
62	AVERAGE RATE OF WITHDRAWAL (CFS)	101.00	1.90	.53	1.24	11.21	
63	AVERAGE RATE OF DISCHARGE (CFS)	43.00	.40	.32	.60	2.26	
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	57.00	1.50	.05	.64	11.15	
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG OCT		APR JAN	AUG OEC	AUG FEB	
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	98.00 96.50		68.00 57.00	72.00 64.00	84.00 64.00	
67	AT OUTFALL, SUMMER - WINTER	79.00 76.00		84.00	96.00 88.00	84.00 64.00	
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	50.00		.45	47.00	459.00	
69	- WINTER	30.00		.03	89.00	1,880.00	
70	FREQUENCY OF TEMPERATURE MONITORING: C, M, Q, O [16]	C		O	O	O	
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.01	13.55 .06	3.06 .03	4.97 .08	.25	
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.10	1.55	16.94	13.52	91.21	
73	LIME (TONS), COOLING WATER - BOILER MAKEUP		415.17			111.17	
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP		67.98			16.78	
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	4.00	18.30	1.11	2.28	6.58	31.72
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES YES	YES YES	YES YES	YES YES	YES	
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]		ST	ST	PS		OT
78	RECEIVING WATER BODY [18]						L BRAUNIG
79	POND DISCHARGE: RH, BOILER BLOWDOWN - ASH SETTLING		9.00	10.00	10.00		10.00
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			1.00	1.00		1.00
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
82	- ASH SETTLING		6,387.00	44.20	80.50	225.40	

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)						
84	ONCE THROUGH COOLING (SALINE)						
85	COOLING POND(S)					3 894.00	
86	COOLING TOWER(S)	4 42.60	3 115.00	4 263.60	3 163.60		
87	COMBINATIONS [21]						
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1951 1960	1958 1965	1949 1959	1945 1958	1963	
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	20.00	15.00 17.00	15.00 17.40	13.00 18.00	16.00	
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	104.40	183.60	391.90	248.90	1,394.00	
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)						

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)						
93	COOLING PONDS ($1,000)					4,717.00	
94	COOLING TOWERS ($1,000)	257.53	325.30	1,113.50	925.00		

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	5.00		100.14	40.96	63.33	
96	COST OF CHEMICAL ADDITIVES ($1,000)	4.00	34.20	5.82	13.52	7.94	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	4.00		3.92	7.91	29.88	
98	COST OF CHEMICAL ADDITIVES ($1,000)	5.00	5.90	9.44	6.32	43.74	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	SAN ANTONIO CITY PUBL SERVICE BRD	SAN ANTONIO CITY PUBL SERVICE BRD	SPRINGFIELD CITY UTILITIES	CLEVELAND ELEC. ILLUM. CO	CLEVELAND ELEC. ILLUM. CO
2						
3						
4	NAME OF PLANT	TUTTLE	SOMMERS	JAMES RIVER	ASHTABULA	AVON LAKE
5	UTILITY-PLANT CODE	100000-0400	100000-0500	101000-0100	104000-0100	104000-0200
6	STATE	TEXAS	TEXAS	MISSOURI	OHIO	OHIO
7	COUNTY	BEXAR	BEXAR	GREENE	ASHTABULA	LORAIN
8	AIR QUALITY CONT. REGION NO.[1] / WATER RESOURCE REGION NO.[2]	217 12	217 12	139 11	178 04	174 04
9	PLANT CAPACITY (MW)	495.00	892.00	257.00	640.00	1,275.00
10	ANNUAL GENERATION (MWH)[3]	593,600	2,813,400	957,500	2,451,400	5,424,900
11	PLANT HEAT RATE (BTU/KWH)[3]	11,543	9,445	10,703	11,322	10,527

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)			197.33	1,172.40	2,432.80	12
13	AVERAGE HEAT CONTENT (BTU/LB)			12,203	10,874	11,484	13
14	AVERAGE SULFUR CONTENT (%)			2.74	3.26	3.13	14
15	AVERAGE ASH CONTENT (%)			14.41	17.40	14.15	15
16	AVERAGE MOISTURE CONTENT (%)			5.08	7.57	7.26	16
17	OIL: CONSUMPTION (1,000 BARRELS)	193.20	19.46		359.43	196.22	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	145,765	139,463		149,463	149,072	18
19	AVERAGE SULFUR CONTENT (%)	.56	.28		1.65	1.72	19
20	GAS: CONSUMPTION (1,000 MCF)	5,512.35	25,998.58	5,373.00			20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,030	1,018	1,011			21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	4	2	5	11	12		22
23	- NO. OF WET BOTTOM					1		23
24	- NO. WITH FLY ASH REINJECTION							24
25	- NO. WITH MECHANICAL PRECIPITATORS			4				25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS			1	1	4		26
27	- NO. WITH COMBINATION PRECIPITATORS[4]				4			27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00	7.00	20.00 25.00	10.00 24.00	10.00 22.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			87.00 88.00				30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH			87.00 88.00				32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH			98.00	95.60 96.00	95.00 99.50		33
34	TESTED, LOW - HIGH				93.20	88.60 97.10		34
35	EST., LOW - HIGH			98.00	85.00 95.00	95.00 99.50		35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.03		1.44	16.90	10.34		39
40	SULFUR DIOXIDE (1,000 TONS)	.36	.02	10.60	78.31	150.38		40
41	NITROGEN OXIDES (1,000 TONS)	1.50	5.11	2.82	11.54	22.33		41
42	STACKS: - TOTAL NO.	4	2	4	5	8		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	143.50 150.00	172.50	200.00 350.00	274.00 400.00	277.00 600.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]			27.70	219.60	373.20		45
46	SOLD (1,000 TONS)[11]							46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							50
51	ELECTROSTATIC PRECIPITATORS ($1,000)			200.00	424.00	2,379.00		51
52	COMBINATION PRECIPITATORS ($1,000)[4]							52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	172.65		422.80	262.00	1,648.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)			27.70	851.00	1,608.00		55
56	REVENUES FROM SALE OF ASH ($1,000)							56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]			27.70	851.00	1,608.00		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	O EDWARDS AQUIFER	R SAN ANTONIO	L SPRINGFIELD	L ERIE	L ERIE		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	2.52	35.68	111.20	672.00	1,102.00		62
63	AVERAGE RATE OF DISCHARGE (CFS)	.30	1.88	111.20	672.00	1,102.00		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	2.22	33.64 .96		5.78	9.48		64
65	SUMMER - WINTER[15]	MAY FEB	JUN DEC	AUG DEC	JUN DEC	JUN DEC		65
66	PEAK LOAD MONTH : MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	81.00	59.00	90.00 56.00	66.00 52.00	66.00 45.00		66
67	AT OUTFALL, SUMMER - WINTER	92.00 76.00	82.00	98.00 74.00	75.00 57.00	72.00 61.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		1,274.00	40.00				68
69	- WINTER		579.00	50.00				69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	O	H	H	H		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	10.44	.13	.26	7.15	4.10		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	18.59	9.84	46.00	69.71	200.60		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP				60.00	47.50		73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP							74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	5.27	51.51	2.00	31.99	26.82		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES YES	YES	YES	YES	YES		76
77	SEWAGE DISPOSAL: METHOD RS, ST, SW, OT[16]	ST	OT	ST	ST	RS		77
78	RECEIVING WATER BODY[10]		L CALAVERAS		L ERIE			78
79	POND DISCHARGE: RH, BOILER BLOWDOWN - ASH SETTLING	10.00	10.00		7.70	7.30		79
80	SUSPENDED SOLIDS (RPM), BOILER BLOWDOWN - ASH SETTLING	1.00	1.00		399.00	134.00		80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	97.60	241.00		77,300.00	39,000.00		81
82	- ASH SETTLING							82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[2]: ONCE THROUGH COOLING (FRESH)			5 253.00	9 640.00	9 1,275.00		83
84	ONCE THROUGH COOLING (SALINE)							84
85	COOLING POND(S)		2 892.80					85
86	COOLING TOWER(S)	4 493.80						86
87	COMBINATIONS[21]							87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1954 1963	1969	1957 1970	1930 1958	1926 1968		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	17.50 18.00	16.00 18.00	11.85 13.32	12.00 18.00	8.00 17.00		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	656.10	949.00	457.30	1,570.00	2,489.00		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)			456.80	1,574.00	2,489.00		91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)			2,191.40	4,124.00	4,951.00	92
93	COOLING PONDS ($1,000)		19,619.00				93
94	COOLING TOWERS ($1,000)	1,891.00		900.00			94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	98.30	51.34	40.50	333.00	393.00	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	31.03	12.90	.50	3.00	2.00	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	6.35	18.92	34.50	382.00	790.00	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	10.12	9.08	25.80	48.00	88.00	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	CLEVELAND ELEC. ILLUM. CO	CLEVELAND ELEC. ILLUM. CO	COFFEYVILLE PWR AND LIGHT	COLO SPRINGS P&L DEPT.	COLO SPRINGS P&L. DEPT.	1
2						2
3						3
4 NAME OF PLANT	EAST LAKE	LAKE SHORE	COFFEYVILLE	DRAKE	8IROSALL	4
5 UTILITY-PLANT CODE	104000-0300	104000-0400	105500-0100	108000-0100	108000-0200	5
6 STATE	OHIO	OHIO	KANSAS	COLORADO	COLORADO	6
7 COUNTY	LAKE	CUYAHOGA	MONTGOMERY	EL PASO	EL PASO	7
8 AIR QUALITY CONTROL REGION NO. 1/ - WATER RESOURCE REGION NO. 2/	174 04	174 04	098 11	038 11	038 11	8
9 PLANT CAPACITY (MW)	1,257.00	518.00	80.05	282.30	52.00	9
10 ANNUAL GENERATION (MWH) 3/	7,761,100	2,132,500	166,000	1,215,000	152,000	10
11 PLANT HEAT RATE (BTU/KWH) 3/	9,559	11,490	13,120	11,111	13,243	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)	3,156.70	1,029.30		441.60		12
13 AVERAGE HEAT CONTENT (BTU/LB)	11,734	11,870		10,139		13
14 AVERAGE SULFUR CONTENT (%)	3.45	2.23		.77		14
15 AVERAGE ASH CONTENT (%)	13.92	13.64		12.25		15
16 AVERAGE MOISTURE CONTENT (%)	6.42	6.10		12.83		16
17 OIL: CONSUMPTION (1,000 BARRELS)	18.27	11.57	1.00		3.80	17
18 AVERAGE HEAT CONTENT (BTU/GAL)	137,910	137,510	148,000		148,513	18
19 AVERAGE SULFUR CONTENT (%)	.10	.10	.70		.63	19
20 GAS: CONSUMPTION (1,000 MCF)			2,178.00	4,454.30	1,992.20	20
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)			1,000	995	994	21

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	5	5	4	6	3	22
23 - NO. OF WET BOTTOM		4		3		23
24 - NO. WITH FLY ASH REINJECTION	1					24
25 - NO. WITH MECHANICAL PRECIPITATORS						25
26 - NO. WITH ELECTROSTATIC PRECIPITATORS	1	5		1		26
27 - NO. WITH COMBINATION PRECIPITATORS 4/	4			2		27
28 - NO. WITH DESULFURIZATION SYSTEMS						28
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER 5/						29
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	18.00 22.00	20.00 23.00	8.00 15.00	6.00 15.00	15.00	30
31 TESTED, LOW - HIGH						31
32 ESTIMATED, LOW - HIGH						32
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY 6/: DESIGN, LOW - HIGH	98.20 99.50	90.00 99.40		96.00 99.50		33
34 TESTED, LOW - HIGH	95.00 99.50	59.80 98.00		97.30 99.60		34
35 EST., LOW - HIGH	98.00 99.50	82.00 99.00		84.00 98.90		35
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37 TESTED, LOW - HIGH						37
38 ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS 7/: PARTICULATE MATTER (1,000 TONS)	9.80	5.73		2.35		39
40 SULFUR DIOXIDE (1,000 TONS)	213.47	44.99		6.67	.01	40
41 NITROGEN OXIDES (1,000 TONS)	28.45	12.41	1.19	7.50	.40	41
42 STACKS: - TOTAL NO.	5	5	2	6	3	42
43 - HEIGHT (FEET), LOWEST - HIGHEST 8/	300.00 600.00	268.00 320.00	125.00 175.00	56.00 200.00	142.10	43
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS) 9/						44
45 TOTAL ASH: COLLECTED (1,000 TONS) 10/	452.70	185.30		53.60		45
46 SOLD (1,000 TONS) 11/						46
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS) 12/						48
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						50
51 ELECTROSTATIC PRECIPITATORS ($1,000)	1,311.40	1,810.00		1,942.00		51
52 COMBINATION PRECIPITATORS ($1,000) 4/	1,470.00			724.10		52
53 DESULFURIZATION SYSTEMS ($1,000)						53
54 STACKS ($1,000)	2,709.80	481.00		519.60		54
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	1,896.00	1,363.00		157.30		55
56 REVENUES FROM SALE OF ASH ($1,000)						56
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) 13/	1,363.00	1,363.00		157.30		59
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)						60

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	L ERIE	L ERIE	M	M	M	61
62 AVERAGE RATE OF WITHDRAWAL (CFS)	1,409.00	621.00	.83	2.27		62
63 AVERAGE RATE OF DISCHARGE (CFS)	1,409.00	621.00	.08	.33		63
64 AVE. RATE OF CONSUMPTION (CFS). CALCULATED - REPORTED 14/	12.12	5.34	.74	1.94		64
65 PEAK LOAD MONTH : SUMMER - WINTER 15/	JUN	DEC	JUN	DEC	AUG	NOV	AUG	NOV	AUG	NOV	65
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66.00	45.00	66.00	37.00	78.00	40.00					66
67 AT OUTFALL, SUMMER - WINTER	77.00	63.00	73.00	54.00	97.00	73.00					67
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER											68
69 - WINTER											69
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O 16/	C	H	C	C	C	70
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.15	1.60	.10	.52 .03		71
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	236.53	138.10	.10	.25 .02	.06	72
73 LIME (TONS), COOLING WATER - BOILER MAKEUP	83.98	51.70				73
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP						74
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	31.46	98.51	1.13	3.90		75
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP 17/	YES	YES	YES	YES YES	YES YES	76
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT 18/	ST	PS	PS	PS	PS	77
78 RECEIVING WATER BODY	L ERIE					78
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	7.00	7.50		10.00		79
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	96.00	65.00		70.00		80
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						81
82 - ASH SETTLING	43,900.00	234,000.00		14,583.88		82

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING 20: ONCE THROUGH COOLING (FRESH)	5 1,257.00	5 514.00				83
84 ONCE THROUGH COOLING (SALINE)						84
85 COOLING POND(S)				4 15.00		85
86 COOLING TOWER(S)			4 80.05	4 272.00	3 52.00	86
87 COMBINATIONS 21/						87
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1953 1972	1940 1960	1956 1973	1946 1974	1953 1956	88
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST 22/	11.00 17.00	9.00 17.00	15.00	14.00 20.00	14.00 16.00	89
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,793.00	964.00	152.00	408.50	122.30	90
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,793.00	964.00				91

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)	5,222.00					92
93 COOLING PONDS ($1,000)				19.00		93
94 COOLING TOWERS ($1,000)			184.00	2,074.00		94

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	373.00	332.00				95
96 COST OF CHEMICAL ADDITIVES ($1,000)	3.00	8.00	2.90	27.50	4.30	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	611.00	488.00				97
98 COST OF CHEMICAL ADDITIVES ($1,000)	73.00	58.00	.08	2.60	.57	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	COLORADO - UTE E ASSN. INC.	COLORADO - UTE E ASSN. INC.	COLUMBIA WTR & LT DEPT	COLUMBUS & S OHIO ELECTRIC CO.	COLUMBUS & S OHIO. ELECTRIC CO.	
NAME OF PLANT	HAYDEN	NUCLA	COLUMBIA	CONESVILLE	PICWAY	
UTILITY-PLANT CODE	108500-0100	108500-0300	109000-0100	109500-0200	109500-0500	
STATE	COLORADO	COLORADO	MISSOURI	OHIO	OHIO	
COUNTY	ROUTT	MONTROSE	BOONE	COSHOCTON	PICKAWAY	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	080 14	035 14	137 10	103 05	179 05	
PLANT CAPACITY (MW)	163.20	34.50	102.00	1,162.00	145.00	
ANNUAL GENERATION (MWH)[3]	1,298,500	165,800	131,000	5,444,000	417,000	
PLANT HEAT RATE (BTU/KWH)[3]	10,587	28,160	15,558	10,246	13,477	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	648.10	202.10	79.17	2,699.00	254.00	
AVERAGE HEAT CONTENT (BTU/LB)	10,604	11,525	11,713	10,333	10,985	
AVERAGE SULFUR CONTENT (%)	.45	.70	2.04	4.43	3.54	
AVERAGE ASH CONTENT (%)	10.66	13.98	9.55	18.56	14.42	
AVERAGE MOISTURE CONTENT (%)	11.28	7.09	8.80	8.14	8.53	
LT	.54		23.60			
OIL: CONSUMPTION (1,000 BARRELS)	130,000		138,000			
AVERAGE HEAT CONTENT (BTU/GAL)	.20		.10			
AVERAGE SULFUR CONTENT (%)			46.69			
GAS: CONSUMPTION (1,000 MCF)			1,000			
AVERAGE HEAT CONTENT (BTU/CU.FT.)						

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	1	3	7	4	3	
- NO. OF WET BOTTOM				2	2	
- NO. WITH FLY ASH REINJECTION		3	3			
- NO. WITH MECHANICAL PRECIPITATORS		3	6	1	1	
- NO. WITH ELECTROSTATIC PRECIPITATORS	1			1		
- NO. WITH COMBINATION PRECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%). LOWEST BOILER - HIGHEST BOILER[5]	20.00	26.00	28.00 33.00	11.00 25.00	20.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		99.40	85.00 92.00	83.00	85.00	
TESTED, LOW - HIGH		99.40 99.80				
ESTIMATED, LOW - HIGH		99.40 99.80	85.00 92.00	60.00	50.00	
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	99.60			99.30		
TESTED, LOW - HIGH	98.68					
EST., LOW - HIGH	99.60			95.37		
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.23	.17	1.07	46.29	17.71	
SULFUR DIOXIDE (1,000 TONS)	5.72	2.77	3.17	234.35	17.62	
NITROGEN OXIDES (1,000 TONS)	5.84	1.52	.63	35.13	2.68	
STACKS: - TOTAL NO.	1	3	6	3	3	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	250.00	100.00	42.00 300.00	450.00 800.00	127.50 288.50	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]	68.20	28.10	7.47	464.20	22.10	
SOLD (1,000 TONS)[11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)		2,529.90		287.00	180.00	
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	11,030.00			2,752.00		
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000)[4]						
DESULFURIZATION SYSTEMS ($1,000)	215.00	108.00	169.92	3,834.00	160.00	
STACKS ($1,000)	55.00	55.00		599.30	7.20	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	55.00	55.00		599.30	7.20	
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE[14]	R YAMPA	R SAN MIGUEL	W	R MUSKINGUM	R SCIOTO	
AVERAGE RATE OF WITHDRAWAL (CFS)	5.40	1.20	.66	299.20	146.40	
AVERAGE RATE OF DISCHARGE (CFS)	1.00	.10	.17	282.60	146.40	
AVE. RATE OF CONSUMPTION (CFS). CALCULATED - REPORTED[14]	4.40	1.10	.50	16.60	1.26	
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL OEC	JUL DEC	SEP JAN	JUL OEC	JUL OEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	55.00 34.00	70.00 50.00		80.00 49.00	82.00 51.00	
AT OUTFALL, SUMMER - WINTER	75.00 58.00	48.00 52.00		102.00 70.00	91.00 71.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	930.00	1,080.00		1,552.00	1,220.00	
- WINTER	145.00	34.00		5,983.00	2,347.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	O	O	C	C 50.00 .26	C .18	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.30		.46	305.62	23.07	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	34.60		.31		32.44	
LIME (TONS), COOLING WATER - BOILER MAKEUP	6.16 2.64		T.17	1,029.00		
ALUM (TONS), COOLING WATER - BOILER MAKEUP	51.45 22.05		.30	725.78		
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP[17]	15.20 .80	31.25	4.50	68.00		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES	YES YES	YES YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	ST	PS	OT		
RECEIVING WATER BODY[19]	O GRNO WTR/YAMPA	O GRNO WTR/YAMPA		R MUSKINGUM	R SCIOTO	
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	8.80		8.40		9.00	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	250.00		350.00		75.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING			735.93			
			2,841.38		66,000.00	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)				3 400.00	3 164.00	
ONCE THROUGH COOLING (SALINE)						
COOLING POND(S)						
COOLING TOWER(S)	1 163.20	3 34.50	6 96.00	1 787.00		
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1965	1974	1937 1967	1957 1973	1943 1955	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F). SMALLEST - LARGEST[22]	19.70	17.00	13.00 20.00	14.00 25.80	12.00 18.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	186.70	270.00	228.26	1,100.00	297.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		90.00		465.00	297.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)		382.00		2,461.00	1,157.00	
COOLING PONDS ($1,000)		296.00				
COOLING TOWERS ($1,000)	632.00	1,109.00	521.36	2,066.00		

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	202.00	61.00	9.51	123.10	52.60	
COST OF CHEMICAL ADDITIVES ($1,000)	75.00	6.00	19.94	184.80		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	192.00	18.00	10.26	47.20	54.00	
COST OF CHEMICAL ADDITIVES ($1,000)	42.00	6.00	6.02	89.00	11.30	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	COLUMBUS & S OHIO ELECTRIC CO.	COLUMBUS, CITY OF	COMMONWEALTH EDISON CO.	COMMONWEALTH EDISON CO.	COMMONWEALTH EDISON CO.		1
2								2
3								3
4	NAME OF PLANT	POSTON	COLUMBUS	STATE LINE	EISK	CALUMET		4
5	UTILITY-PLANT CODE	109500-0600	110000-0100	111000-0100	111500-0100	111500-0200		5
6	STATE	OHIO	OHIO	INDIANA	ILLINOIS	ILLINOIS		6
7	COUNTY	ATHENS	FRANKLIN	LAKE	COOK	COOK		7
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	179 05	176 05	067 04	067 04	067 04		8
9	PLANT CAPACITY (MW)	200.00	52.60	972.00	547.00	107.00		9
10	ANNUAL GENERATION (MWH) [3]	935,500	47,000	3,871,500	2,209,500	150,000		10
11	PLANT HEAT RATE (BTU/KWH) [3]	13,830	27,620	11,043	11,283	13,693		11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	604.00	31.22	2,217.00	1,302.00			12
13	AVERAGE HEAT CONTENT (BTU/LB)	10,710	11,215	9,618	9,376			13
14	AVERAGE SULFUR CONTENT (%)	3.43	2.79	1.11	.38			14
15	AVERAGE ASH CONTENT (%)	15.19	14.70	8.96	4.20			15
16	AVERAGE MOISTURE CONTENT (%)	9.14		19.00	25.36			16
17	OIL: CONSUMPTION (1,000 BARRELS)		13.04					17
18	AVERAGE HEAT CONTENT (BTU/GAL)		138,713					18
19	AVERAGE SULFUR CONTENT (%)		.24					19
20	GAS: CONSUMPTION (1,000 MCF)		511.68	103.10	500.10	2,003.90		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,020	1,025	1,027	1,025		21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	4	4	11	3	2		22
23	- NO. OF WET BOTTOM			7	2			23
24	- NO. WITH FLY ASH REINJECTION				2			24
25	- NO. WITH MECHANICAL PRECIPITATORS	4	1					25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS			11	1	2		26
27	- NO. WITH COMBINATION PRECIPITATORS [4]				2			27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]	20.00 28.00	10.00 31.00	16.00 25.00	18.00 22.00	20.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	85.00	92.30					30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH		92.30					32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	50.00						33
34	TESTED, LOW - HIGH			96.00 98.00	98.00 98.50	95.00		34
35	EST., LOW - HIGH			92.00 98.70	90.90 97.50			35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH			98.00	98.00			36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	39.06	1.61	1.84	.73			39
40	SULFUR DIOXIDE (1,000 TONS)	40.67	1.72	48.23	9.70			40
41	NITROGEN OXIDES (1,000 TONS)	5.45	.34	42.31	17.64	.39		41
42	STACKS: - TOTAL NO.	2	4	6	3	2		42
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	200.00 51.00	110.00	301.00 450.00	292.00 450.00	300.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]							44
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]	55.10	3.75	191.50	53.80			45
46	SOLD (1,000 TONS) [11]							46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	639.00						50
51	ELECTROSTATIC PRECIPITATORS ($1,000)			7,884.00	1,588.00	502.00		51
52	COMBINATION PRECIPITATORS ($1,000) [4]				1,430.00			52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	120.00		731.00	361.00	82.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	121.10	25.85	1,148.00	989.00			55
56	REVENUES FROM SALE OF ASH ($1,000)							56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	121.10	25.85	1,148.00	989.00			59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	W	R SCIOTO	L MICHIGAN	R CHICAGO	R CALUMET		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	5.56	24.00	887.00	465.00	50.00		62
63	AVERAGE RATE OF DISCHARGE (CFS)	2.28	24.00	887.00	465.00	50.00		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	3.28	.21	7.63	4.00	.43		64
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	JUL DEC	JUL DEC	AUG JAN		AUG JAN		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER		87.00 50.00	84.00 62.00	86.00 48.00	80.00 49.00		66
67	AT OUTFALL, SUMMER - WINTER		102.00 68.00	84.00	94.00 60.00	91.00 61.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		24.00		1,331.00			68
69	- WINTER		24.00	76.00	1,323.00			69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O [16]		H	C	C	H		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	16.50 .28	.40	1.62	.21	.03		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.09	.80	59.43	76.63	3.35		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	1,040.69						73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	143.28		6.41	41.93	.18		74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	30.43		30.12	105.96	1.86		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES	YES	YES	YES	YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]		PS	PS	PS	PS		77
78	RECEIVING WATER BODY [19]		R HOCKING					78
79	POND DISCHARGES: PH, BOILER BLOWDOWN - ASH SETTLING		8.60	9.80 7.30	10.50 7.40	10.80 7.80		79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		75.00	3.00 14.00	3.00 10.00	3.00 2.00		80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN			203.00	216.00	58.00		81
82	- ASH SETTLING		30,500.00	380,000.00	20,200.00			82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)		4 40.00	4 972.00	2 547.00	1 107.00		83
84	ONCE THROUGH COOLING (SALINE)							84
85	COOLING PONDS							85
86	COOLING TOWERS	4 232.00						86
87	COMBINATIONS [21]							87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1949 1954	1926 1955	1929 1962	1949 1959	1947		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	14.00 16.00	8.30	8.50 12.20	9.80 12.60	11.10		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	436.00	48.00	2,740.00	838.00	245.00		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)			1,850.00	838.00	245.00		91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)			2,252.00	3,538.00	722.00		92
93	COOLING PONDS ($1,000)							93
94	COOLING TOWERS ($1,000)	4,159.00						94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	680.80		94.00	83.00	10.00		95
96	COST OF CHEMICAL ADDITIVES ($1,000)	65.50	.64	12.00	66.00			96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	41.10	24.24	359.00	222.00	126.00		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	8.80	4.61	21.00	44.00			98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	COMMONWEALTH EDISON CO.	COMMONWEALTH EDISON CO.	COMMONWEALTH EDISON CO.	COMMONWEALTH EDISON CO.	COMMONWEALTH EDISON CO.	1
2						2
3						3
4 NAME OF PLANT	CRAWFORD	DIXON	DRESDEN	JOLIET 7/8	JOLIET 5/6	4
5 UTILITY-PLANT CODE	111500-0300	111500-0400	111500-0500	111500-6950	111500-1000	5
6 STATE	ILLINOIS	ILLINOIS	ILLINOIS	ILLINOIS	ILLINOIS	6
7 COUNTY	COOK	LEE	GRUNDY	WILL	WILL	7
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	067 04	071 07	063 07	067 07	067 07	8
9 PLANT CAPACITY (MW)	701.52	119.00	1,865.00	1,320.00	467.00	9
10 ANNUAL GENERATION (MWH)[3]	2,528,800	476,000	5,830,900	1,560,390	4,441,110	10
11 PLANT HEAT RATE (BTU/KWH)[3]	10,642	12,298	11,399	10,371	10,371	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)	1,347.00	213.00		2,514.00	547.00		12
13 AVERAGE HEAT CONTENT (BTU/LB)	9,383	9,745		9,370	10,005		13
14 AVERAGE SULFUR CONTENT (%)	.43	3.06		1.16	1.96		14
15 AVERAGE ASH CONTENT (%)	4.47	14.16		8.46	9.03		15
16 AVERAGE MOISTURE CONTENT (%)	24.91	16.04		21.78	18.27		16
17 OIL: CONSUMPTION (1,000 BARRELS)							17
18 AVERAGE HEAT CONTENT (BTU/GAL)							18
19 AVERAGE SULFUR CONTENT (%)							19
20 GAS: CONSUMPTION (1,000 MCF)	1,592.50	1,669.80		6,885.00	87.60		20
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,026	1,034		1,034	1,034		21

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	8	2			7		22
23 - NO. OF WET BOTTOM		2			3		23
24 - NO. WITH FLY ASH REINJECTION							24
25 - NO. WITH MECHANICAL PRECIPITATORS					7		25
26 - NO. WITH ELECTROSTATIC PRECIPITATORS	2	2					26
27 - NO. WITH COMBINATION PRECIPITATORS[4]							27
28 - NO. WITH DESULFURIZATION SYSTEMS							28
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00 15.00	20.00 25.00			14.00 20.00		29
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							30
31 TESTED, LOW - HIGH							31
32 ESTIMATED, LOW - HIGH							32
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	98.00 99.00	92.00 95.00			98.00 99.00		33
34 TESTED, LOW - HIGH	95.80 97.50	93.40 95.70		96.80 99.00	95.70 97.50		34
35 EST., LOW - HIGH	98.00	93.00 95.00			98.00		35
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37 TESTED, LOW - HIGH							37
38 ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	1.02	1.14		1.46	.10		39
40 SULFUR DIOXIDE (1,000 TONS)	11.35	12.77		57.65	21.01		40
41 NITROGEN OXIDES (1,000 TONS)	12.43	3.52		20.20	15.06		41
42 STACKS: - TOTAL NO.	5	2			5		42
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	185.00 378.00	221.00 246.00			248.00 550.00		43
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							44
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]	59.50	29.30		203.70	45.70		45
46 SOLD (1,000 TONS)[11]							46
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48 EQUIVALENT OF AC10 COLLECTED (1,000 TONS)[12]							48
49 ELEMENTAL AND EQUIVALENT OF AC10 SOLD (1,000 TONS)							49
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							50
51 ELECTROSTATIC PRECIPITATORS ($1,000)	4,400.00	428.00			7,184.00		51
52 COMBINATION PRECIPITATORS ($1,000)[4]							52
53 DESULFURIZATION SYSTEMS ($1,000)							53
54 STACKS ($1,000)	716.00	98.00			1,273.00		54
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	840.00	196.00		1,822.00	350.00		55
56 REVENUES FROM SALE OF ASH ($1,000)							56
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	840.00	196.00		1,822.00	350.00		59
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)							60

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	O CS AND S CANAL	R ROCK	R KANKAKEE		R DES PLAINES		61
62 AVERAGE RATE OF WITHDRAWAL (CFS)	543.00	109.00	998.00	1,198.00	230.00		62
63 AVERAGE RATE OF DISCHARGE (CFS)	543.00	109.00	998.00	1,198.00	230.00		63
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	4.67	.94			1.98		64
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG JAN	AUG JAN	AUG JAN		AUG JAN		65
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	91.00 57.00	87.00 46.00	83.00 37.00	94.00 52.00	94.00 52.00		66
67 AT OUTFALL, SUMMER - WINTER	103.00 75.00	102.00 71.00	93.00 45.00	99.00 62.00	106.00 58.00		67
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	1,331.00	3,652.00	5,328.00	3,818.00	3,818.00		68
69 - WINTER	1,323.00	4,530.00	16,087.00	6,702.00	6,702.00		69
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	H	C		C		70
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.08	.89	.14	.18	.39		71
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	66.43	13.34	155.36	135.27	130.26		72
73 LIME (TONS), COOLING WATER - BOILER MAKEUP		20.03					73
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP	.59	.58					74
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	116.39 11.10	181.91	109.44	215.00			75
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES	YES	YES	YES		76
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	PS	OT		OT		77
78 RECEIVING WATER BODY[19]			R ILLINOIS		R DES PLAINES		78
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	9.40 8.00	10.80 8.50			10.30 8.80		79
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	3.00 16.00	3.00 32.00			3.00 13.40		80
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	504.00	160.00			1,786.00		81
82 - ASH SETTLING	400,000.00	9,500.00			292,000.00		82

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	3 701.00	2 119.00	1 209.00		4 1,787.00		83
84 ONCE THROUGH COOLING (SALINE)							84
85 COOLING PONDS)							85
86 COOLING TOWER(S)			2 1,656.00				86
87 COMBINATIONS[21]			1960 1971		1950 1966		87
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1928 1961	1945 1953	18.70 22.80		19.60 10.00		88
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	8.20 13.50	11.80 14.70	2,608.00		2,909.00		89
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,255.00	237.00	378.00		3,554.00		90
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,255.00	237.00					91

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)	2,650.00	571.00	6,023.00		5,805.00	92
93 COOLING PONDS ($1,000)			25,000.00			93
94 COOLING TOWERS ($1,000)						94

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	83.00	39.00	1,175.00	253.00	49.00	95
96 COST OF CHEMICAL ADDITIVES ($1,000)	60.00	6.00	213.00	162.00	31.00	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	592.00	41.00	821.00	295.00	57.00	97
98 COST OF CHEMICAL ADDITIVES ($1,000)	31.00	8.00	335.00	109.00	21.00	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	COMMONWEALTH EDISON CO.	COMMONWEALTH EDISON CO.	COMMONWEALTH EDISON CO.	COMMONWEALTH EDISON CO.	COMMONWEALTH EDISON CO.	1
2							2
3							3
4	NAME OF PLANT	KINCAID	POWERTON	QUAD CITIES	RIDGELAND	SABROOKE	4
5	UTILITY-PLANT CODE	111500-1100	111500-1300	111500-1350	111500-1400	111500-1500	5
6	STATE	ILLINOIS	ILLINOIS	ILLINOIS	ILLINOIS	ILLINOIS	6
7	COUNTY	CHRISTIAN	TAZEWELL	ROCK ISLAND	COOK	WINNEBAGO	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	075 07	065 07	069 07	067 07	073 07	8
9	PLANT CAPACITY (MW)	1,319.00	1,786.00	1,657.00	690.00	92.00	9
10	ANNUAL GENERATION (MWH)[3]	4,316,300	5,571,400	6,746,200	2,551,400	296,500	10
11	PLANT HEAT RATE (BTU/KWH)[3]	10,768	10,358	11,682	11,021	11,863	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	2,443.00	2,797.00				12
13	AVERAGE HEAT CONTENT (BTU/LB)	9,499	10,349			17.00	13
14	AVERAGE SULFUR CONTENT (%)	4.18	3.34			9,715	14
15	AVERAGE ASH CONTENT (%)	16.43	8.50			4.02	15
16	AVERAGE MOISTURE CONTENT (%)	15.73	16.09			15.16	16
17	OIL: CONSUMPTION (1,000 BARRELS)	11.40			4,420.90	14.70	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	138,471			147,686	542.00	18
19	AVERAGE SULFUR CONTENT (%)	.50			.84	137,993	19
20	GAS: CONSUMPTION (1,000 MCF)	22.00	63.20		637.90	.50	20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	981	1,000		1,034	38.40	21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	2	16		6	4	22
23	- NO. OF WET BOTTOM	2	13		6		23
24	- NO. WITH FLY ASH REINJECTION						24
25	- NO. WITH MECHANICAL PRECIPITATORS						25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	2	4		6	3	26
27	- NO. WITH COMBINATION PRECIPITATORS[4]					1	27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]						29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	16.00	15.00 28.00		10.00 18.00	22.00 27.00	30
31	TESTED, LOW - HIGH					55.00	31
32	ESTIMATED, LOW - HIGH						32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	98.00	99.50		90.00 98.00	92.50	33
34	TESTED, LOW - HIGH	94.50 98.80	99.30 99.60			98.00	34
35	EST., LOW - HIGH	98.00	99.50		92.00 98.00	93.90	35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH					98.00	36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.80	.12		.04	.13	39
40	SULFUR DIOXIDE (1,000 TONS)	200.17	183.10		12.46	2.25	40
41	NITROGEN OXIDES (1,000 TONS)	67.21	76.93		9.87	1.33	41
42	STACKS: - TOTAL NO.	2	4		6	2	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	500.00 311.00	500.00		213.00	148.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	399.50	237.30		.50	2.30	45
46	SOLD (1,000 TONS)[11]						46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)					98.00	50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	4,342.00	9,400.00		1,591.00	179.00	51
52	COMBINATION PRECIPITATORS ($1,000)[4]						52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)	475.00	4,692.00		860.00	106.00	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	2,303.00	1,195.00		66.00	21.00	55
56	REVENUES FROM SALE OF ASH ($1,000)						56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	2,303.00	1,195.00		66.00	21.00	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)						60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	O RAINFALL/CLEAR	R ILLINOIS	R MISSISSIPPI	O C&S CANAL	R ROCK	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)		49.00	1,058.00	649.00	57.00	62
63	AVERAGE RATE OF DISCHARGE (CFS)			1,058.00	649.00	57.00	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	11.00	49.00		5.58 .49		64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG JAN	AUG JAN	AUG JAN	AUG JAN	AUG JAN	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	88.00 44.00	85.00 57.00	75.00 32.00	84.00 54.00	87.00 40.00	66
67	AT OUTFALL, SUMMER - WINTER	109.00 56.00	109.00 86.00	100.00 48.00	90.00 65.00	106.00 62.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		6,151.00	32,410.00	3,609.00	2,736.00	68
69	- WINTER		21,691.00	20,730.00	2,652.00	4,012.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	H	H	C	C	H	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP			.03	.35	.14	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	276.57	375.65	34.38	74.84	55.81	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	130.59					73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP						74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	17.36	17.43	718.17	163.45	.06	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT	OT	OT	PS	PS	77
78	RECEIVING WATER BODY[19]	L KINCAID	R ILLINOIS	R MISSISSIPPI			78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		10.80 8.20		10.40	11.00 4.00	79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	4.80	3.00 15.00		3.00	3.00	80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN		29.00		321.00	34.00	81
82	- ASH SETTLING	817,000.00	27,000.00				82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		3 265.00		4 692.00	4 147.00	83
84	ONCE THROUGH COOLING (SALINE)						84
85	COOLING POND(S)	2 1,320.00	2 1,786.00				85
86	COOLING TOWER(S)						86
87	COMBINATION[21]			2 1,656.60			87
88	COOLING SYSTEM, YEAR OF INSTALLATION: CLOSEST SYSTEM - NEWEST SYSTEM	1967 1968	1928 1972	1972	1950 1955	1949 1961	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	16.70	7.00 23.50	24.00	8.30 11.70	20.20	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,452.00	2,439.00	2,100.00	1,336.00	213.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		1,859.00	1,050.00	1,336.00	213.00	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)		2,313.00	8,998.00	4,401.00	1,106.00	92
93	COOLING PONDS ($1,000)	3,819.00	11,000.00				93
94	COOLING TOWERS ($1,000)						94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	55.00	171.00	462.00	180.00	16.00	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	12.00	171.00	107.00	95.00		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	213.00	262.00	1,420.00	199.00	129.00	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	131.00	131.00	260.00	22.00	15.00	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	COMMONWEALTH EDISON CO.	COMMONWEALTH EDISON CO.	COMMONWEALTH EDISON CO.	COMMUNITY PUBLIC SERVICE COMPANY	CONN YANKEE ATOMIC PWR CO.
2						
3						
4	NAME OF PLANT	WAUKEGAN	WILL COUNTY	ZION	LOKOSBURG	HADDAM
5	UTILITY-PLANT CODE	111500-1600	111500-1700	111500-1800	12000-0400	112500-0100
6	STATE	ILLINOIS	ILLINOIS	ILLINOIS	NEW MEXICO	CONNECTICUT
7	COUNTY	LAKE	WILL	LAKE	HIDALGO	MIDDLESEX
8	AIR QUALITY CONTROL REGION NO. 1/ - WATER RESOURCE REGION NO. 2/	067 04	067 07	067 07	012 15	042 01
9	PLANT CAPACITY (MW)	933.00	1,269.00	2,196.00	41.50	600.30
10	ANNUAL GENERATION (MWH) 3/	4,108,500	4,817,700	9,738,300	145,500	4,114,700
11	PLANT HEAT RATE (BTU/KWH) 3/	10,554	10,298	11,497	14,143	11,117

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	1,818.00	2,605.00				12
13	AVERAGE HEAT CONTENT (BTU/LB)	9,639	9,484				13
14	AVERAGE SULFUR CONTENT (%)	.82	.87				14
15	AVERAGE ASH CONTENT (%)	9.07	5.56				15
16	AVERAGE MOISTURE CONTENT (%)	17.32	23.76				16
17	OIL: CONSUMPTION (1,000 BARRELS)	28.60	35.00		114.90		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	138,042	138,187		148,000		18
19	AVERAGE SULFUR CONTENT (%)	.10	.50		1.00		19
20	GAS: CONSUMPTION (1,000 MCF)	7,917.90			1,272.25		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,034			1,070		21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	6	4		3		22
23	- NO. OF WET BOTTOM	4	2				23
24	- NO. WITH FLY ASH REINJECTION						24
25	- NO. WITH MECHANICAL PRECIPITATORS						25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	6	4				26
27	- NO. WITH COMBINATION PRECIPITATORS 4/						27
28	- NO. WITH DESULFURIZATION SYSTEMS		1				28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER 5/	18.00 24.00	10.00 20.00		10.00 12.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						30
31	TESTED, LOW - HIGH						31
32	ESTIMATED, LOW - HIGH						32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY 6/: DESIGN, LOW - HIGH	95.00 98.00	90.00 99.00				33
34	TESTED, LOW - HIGH	93.30 98.60	91.60 99.80				34
35	EST., LOW - HIGH	98.00	98.00 99.00				35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH		76.00				36
37	TESTED, LOW - HIGH		82.50				37
38	ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS 7/: PARTICULATE MATTER (1,000 TONS)	2.61	1.55		.02		39
40	SULFUR DIOXIDE (1,000 TONS)	29.23	44.48		.39		40
41	NITROGEN OXIDES (1,000 TONS)	23.58	39.51		.48		41
42	STACKS: - TOTAL NO.	4	4		3		42
43	- HEIGHT (FEET), LOWEST - HIGHEST 8/	330.00 450.00	349.00 500.00		55.00 100.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) 9/		12.00				44
45	TOTAL ASH: COLLECTED (1,000 TONS) 10/	163.80	142.70				45
46	SOLD (1,000 TONS) 11/						46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) 12/						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	6,369.00	12,454.00				51
52	COMBINATION PRECIPITATORS ($1,000) 4/						52
53	DESULFURIZATION SYSTEMS ($1,000)		15,000.00				53
54	STACKS ($1,000)	893.00	1,060.00		44.80		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	1,231.00	1,478.00				55
56	REVENUES FROM SALE OF ASH ($1,000)						56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)		714.00				57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) 13/	1,231.00	2,192.00				59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)						60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	L MICHIGAN	O C SCS CANAL	L MICHIGAN	W	R CONNECTICUT	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	970.00	1,024.00	1,782.00	.87	870.00	62
63	AVERAGE RATE OF DISCHARGE (CFS)	970.00	1,024.00	1,782.00	.13	870.00	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED 14/				.74		64
65	PEAK LOAD MONTH : SUMMER - WINTEP 15/	8.34	8.81	15.33		7.48	65
66	MAX. TEMP. DUPING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTEP	AUG JAN	AUG JAN	AUG JAN	JUL OEC	JUN OEC	66
67	AT OUTFALL, SUMMER - WINTER	65.00 42.00	80.00 49.00	61.00 35.00		74.00 37.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	76.00 52.00	88.00 61.00	78.00 51.00		95.00 60.00	68
69	- WINTEP		4,414.00				69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, D 16/	H	4,057.00 C	C		H 2.75	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS) COOLING WATER - BOILER MAKEUP		1.85 .40				71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		69.13 95.88				72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP						73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP		14.92 .66				74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	28.93	258.77		YES YES	YES YES	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES	YES	YES		ST	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT 18/	PS	OT	PS	PS		77
78	RECEIVING WATER BODY		R DES PLAINES				78
79	POND DISCHARGE: 19/ PH, BOILER BLOWDOWN - ASH SETTLING	10.20 7.60	9.70 8.10				79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	3.00 21.00	3.00 30.00				80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN		800.00				81
82	- ASH SETTLING	243,000.00	440,000.00				82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING: ONCE THROUGH COOLING (FRESH)	4 932.00	4 1,269.00	2 2,196.00		1 600.30	83
84	ONCE THROUGH COOLING (SALINE)						84
85	COOLING PONDS						85
86	COOLING TOWERS				3 38.50		86
87	COMBINATIONS 21/						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1931 1962	1955 1963	1973 1974	1963 1967	1965	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST 22/	10.50 15.20	8.90 12.10	20.60	21.00 23.10	22.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,604.00	2,000.00	3,236.00	79.03	830.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,604.00	2,000.00	3,236.00		830.00	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	4,859.00	5,126.00	20,900.00		1,557.00	92
93	COOLING PONDS ($1,000)						93
94	COOLING TOWERS ($1,000)				236.70		94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	200.00	176.00	409.00	.40	13.31	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	6.00	132.00	10.00	10.30	26.64	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	213.00	307.00	845.00	17.40	10.01	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	65.00	53.00	199.00	9.80	21.88	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	CONSOLIDATED EDISON CO. OF NY	CONSOLIDATED EDISON CO. OF NY	CONSOLIDATED EDISON CO. OF NY	CONSOLIDATED EDISON CO. OF NY	CONSOLIDATED EDISON CO. OF NY
2						
3						
4	NAME OF PLANT	59TH STREET	74TH STREET	ARTHUR KILL	ASTORIA	EAST RIVER
5	UTILITY-PLANT CODE	113000-0100	113000-0200	113000-0300	113000-0400	113000-0500
6	STATE	NEW YORK	NEW YORK	NEW YORK	NEW YORK	NEW YORK
7	COUNTY	NEW YORK	NEW YORK	NEW YORK	QUEENS	NEW YORK
8	AIR QUALITY CONTROL REGION NO. 1/ - WATER RESOURCE REGION NO. 2/	043 02	043 02	043 02	043 02	043 02
9	PLANT CAPACITY (MW)	184.50	209.00	911.70	1,550.60	512.50
10	ANNUAL GENERATION (MWH) 3/	543,000	277,000	2,933,500	4,960,400	696,100
11	PLANT HEAT RATE (BTU/KWH) 3/	15,823	14,857	10,101	10,592	13,359

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)					
13	AVEPAGE HEAT CONTENT (BTU/LB)					
14	AVERAGE SULFUR CONTENT (%)					
15	AVEPAGE ASH CONTENT (%)					
16	AVERAGE MOISTURE CONTENT (%)					
17	OIL: CONSUMPTION (1,000 BAPPELS)	1,425.80	680.80	4,897.00	8,503.60	1,312.60
18	AVEPAGE HEAT CONTENT (BTU/GAL)	142,369	142,766	144,224	142,789	143,924
19	AVERAGE SULFUR CONTENT (%)	.30	.28	.29	.28	.28
20	GAS: CONSUMPTION (1,000 MCF)	13.10			1,503.90	1,344.50
21	AVEPAGE HEAT CONTENT (BTU/CU.FT.)	1,024			1,025	1,025

PLANT EQUIPMENT DATA

22	BOILEPS: - TOTAL NO.	6	3	2	5	9
23	- NO. OF WET BOTTOM					
24	- NO. WITH FLY ASH REINJECTION					
25	- NO. WITH MECHANICAL PPECIPITATORS					
26	- NO. WITH ELECTPOSTATIC PPECIPITATOPS					
27	- NO. WITH COMBINATION PRECIPITATORS 4/			1		
28	- NO. WITH OESULFURIZATION SYSTEMS			1	5	1
29	- EXCESS AIR USED (%). LOWEST BOILER - HIGHEST BOILER 5/	7.00 15.00	25.00	25.00	25.00	15.00 20.00
30	MECHANICAL PRECIPITATOP EFFICIENCY : DESIGN, LOW - HIGH					
31	TESTED, LOW - HIGH					
32	ESTIMATED, LOW - HIGH					
33	ELECTROSTATIC/COMBINATION PRECIPITATOP EFFICIENCY 6/: DESIGN, LOW - HIGH					
34	TESTED, LOW - HIGH			99.00 99.50	97.00 99.00	97.00
35	EST., LOW - HIGH					
36	OESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH					
37	TESTED, LOW - HIGH					
38	ESTIMATED, LOW - HIGH					

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS 7/: PARTICULATE MATTER (1,000 TONS)	.24	.11	.01	.02	.14
40	SULFUR DIOXIDE (1,000 TONS)	1.44	.64	4.76	7.99	1.23
41	NITROGEN OXIDES (1,000 TONS)	3.15	1.50	10.80	19.04	3.16
42	STACKS: - TOTAL NO.	3	1	1	5	4
43	- HEIGHT (FEET), LOWEST - HIGHEST 8/	245.85 528.35	518.90	518.25	315.00	378.00
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) 9/					
45	TOTAL ASH: COLLECTED (1,000 TONS) 10/					
46	SOLD (1,000 TONS) 11/					
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)					
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) 12/					
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)					
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)					
51	ELECTROSTATIC PRECIPITATORS ($1,000)			1,996.00		
52	COMBINATION PRECIPITATORS ($1,000) 4/			2,277.00	8,212.00	1,170.00
53	OESULFURIZATION SYSTEMS ($1,000)					
54	STACKS ($1,000)	1,297.00	1,188.40	808.50	1,315.20	648.90
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)					
56	REVENUES FROM SALE OF ASH ($1,000)					
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)					
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)					
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) 13/			340.40		17.20
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)					

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	R HUDSON	R EAST	O LOWER NY BAY	R EAST RIVER	R EAST RIVER
62	AVEPAGE RATE OF WITHDRAWAL (CFS)	196.80	95.20	817.30	1,464.40	319.00
63	AVEPAGE RATE OF DISCHARGE (CFS)	196.80	95.20	817.30	1,464.40	319.00
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED 14/	1.69 1.70	.82 .80	7.03 7.00	12.59 12.60	2.74 2.70
65	PEAK LOAD MONTH : SUMMER - WINTER 15/	JUL OEC	JUL OEC	JUL OEC	JUL OEC	JUL OEC
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	86.00 53.00	71.60 41.20	83.00 56.00	79.50 52.50	76.00 50.00
67	AT OUTFALL, SUMMER - WINTER	95.00 71.00	82.70 52.10	95.00 70.00	87.00 62.50	91.00 64.00
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER					
69	- WINTER					
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O 16/	0	0	0	0	0
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	21.05	1.70	.47	4.33	73.00
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	481.41	835.80	30.57	241.79	1,014.00
73	LIME (TONS), COOLING WATER - BOILER MAKEUP					
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP					
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	76.68	47.55	139.00	759.29	211.68
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP 17/	YES	YES	YES	YES	YES
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT 18/					
78	RECEIVING WATER BODY 18/					
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING					
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING					
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN					
82	- ASH SETTLING					

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING 20/: ONCE THROUGH COOLING (FRESH)					
84	ONCE THROUGH COOLING (SALINE)	5 187.00	4 245.00	2 850.00	5 1,545.00	5 719.00
85	COOLING POND(S)					
86	COOLING TOWER(S)					
87	COMBINATIONS 21/					
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1918 1968	1915 1962	1959 1969	1953 1962	1927 1955
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST 22/	7.00	7.00	13.00	13.00	15.00
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	589.00		1,010.00	2,108.00	1,390.00
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	482.00	490.00	1,010.00	2,108.00	1,126.00

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	860.24	824.40	2,747.66	4,618.60	6,184.90
93	COOLING PONDS ($1,000)					
94	COOLING TOWERS ($1,000)					

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	201.00	89.00	354.70	310.70	198.60
96	COST OF CHEMICAL ADDITIVES ($1,000)	7.00	5.00	14.40	63.00	14.40

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	261.00	257.00	34.20	200.90	149.70
98	COST OF CHEMICAL ADDITIVES ($1,000)	199.00	194.00	9.20	67.80	182.30

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	CONSOLIDATED EDISON CO. OF NY	CONSOLIDATED EDISON CO. OF NY	CONSOLIDATED EDISON CO. OF NY	CONSOLIDATED EDISON CO. OF NY	CONSUMERS POWER - CO.	1
2						2
3					CO86	3
4 NAME OF PLANT	HUDSON AVENUE	INDIAN POINT	RAVENSWOOD	WATERSIDE	114500-0400	4
5 UTILITY-PLANT CODE	113000-0700	113000-0800	113000-1000	113000-1200	MICHIGAN	5
6 STATE	NEW YORK	NEW YORK	NEW YORK	NEW YORK	MUSKEGON	6
7 COUNTY	KINGS	WESTCHESTER	QUEENS	NEW YORK	122 04	7
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	043 02	043 02	043 02	043 02	122 04	8
9 PLANT CAPACITY (MW)	700.00	1,288.04	1,827.70	657.25	510.50	9
10 ANNUAL GENERATION (MWH)[3]	212,300	4,867,100	8,138,800	1,259,400	3,300,900	10
11 PLANT HEAT RATE (BTU/KWH)[3]	15,527	11,494	9,908	17,193	10,594	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)					1,517.00	12
13 AVERAGE HEAT CONTENT (BTU/LB)					11,442	13
14 AVERAGE SULFUR CONTENT (%)					3.39	14
15 AVERAGE ASH CONTENT (%)					12.27	15
16 AVERAGE MOISTURE CONTENT (%)					9.61	16
17 OIL: CONSUMPTION (1,000 BARRELS)	1,250.00		13,242.40	2,645.60	44.30	17
18 AVERAGE HEAT CONTENT (BTU/GAL)	143,879		144,241	143,780	139,000	18
19 AVERAGE SULFUR CONTENT (%)	.28		.27	.28	.40	19
20 GAS: CONSUMPTION (1,000 MCF)			355.70	5,524.90		20
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)			1,025	1,024		21

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	20	2	3	10	5		22
23 - NO. OF WET BOTTOM					2		23
24 - NO. WITH FLY ASH REINJECTION							24
25 - NO. WITH MECHANICAL PRECIPITATORS					5		25
26 - NO. WITH ELECTROSTATIC PRECIRITATORS			1				26
27 - NO. WITH COMBINATION PRECIPITATORS[4]							27
28 - NO. WITH DESULFURIZATION SYSTEMS							28
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	25.00 30.00	20.00	10.00 25.00	20.00	15.00 18.00		29
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							30
31 TESTED, LOW - HIGH							31
32 ESTIMATED, LOW - HIGH							32
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH			99.00		99.00		33
34 TESTED, LOW - HIGH					98.00 99.00		34
35 EST., LOW - HIGH					97.00 98.00		35
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37 TESTED, LOW - HIGH							37
38 ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.21		.95	.44	3.08		39
40 SULFUR DIOXIDE (1,000 TONS)	1.17		12.00	2.49	100.86		40
41 NITROGEN OXIDES (1,000 TONS)	2.76		29.27	6.91	18.94		41
42 STACKS: - TOTAL NO.	4	1	3	3	5		42
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	387.10 387.20	334.00	515.00	479.00	250.00 650.00		43
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]					183.80		44
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]					36.70		45
46 SOLD (1,000 TONS)[11]							46
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)					3,640.00		50
51 ELECTROSTATIC PRECIPITATORS ($1,000)			10,300.00				51
52 COMBINATION PRECIPITATORS ($1,000)[4]							52
53 DESULFURIZATION SYSTEMS ($1,000)					10,387.00		53
54 STACKS ($1,000)	255.00	665.10	1,516.70	598.40	558.60		54
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)					26.40		55
56 REVENUES FROM SALE OF ASH ($1,000)							56
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]			6.10		587.80		59
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)					26.40		60

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE[14]	R EAST	R HUDSON	R EAST	R EAST	L MUSKEGON		61
62 AVERAGE RATE OF WITHDRAWAL (CFS)	222.20	1,504.80	1,789.80	580.10	623.00		62
63 AVERAGE RATE OF DISCHARGE (CFS)	222.20	1,504.80	1,789.80	580.10	623.00		63
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.91 1.90	12.90	15.39 15.40	4.99 5.00	5.36		64
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC	JUL DEC	JUL DEC	JUL DEC	AUG JAN		65
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	75.00 53.00	83.40 49.00	75.10 48.20	75.80 50.10	75.00 38.00		66
67 AT OUTFALL, SUMMER - WINTER	89.00 62.00	94.80 66.40	87.10 60.30	91.60 63.60	86.00 51.00		67
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER					766.00		68
69 - WINTER					364.00		69
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	O	D	D	D	H		70
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		2.59	4.00	12.50	.26		71
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP			183.56	1,643.10	173.94		72
73 LIME (TONS), COOLING WATER - BOILER MAKEUP					21.50		73
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP							74
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	320.00	14.89	981.22	133.66	9.75 2.47		75
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES	YES	YES	YES	YES		76
77 SEWAGE DISPOSAL: METHOD RS, ST, SW, OT[18]		ST			ST		77
78 RECEIVING WATER BODY							78
79 POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING					10.50 7.70		79
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING					15.00 3.00		80
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING							81
82					35,000.00		82

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)					5 510.50		83
84 ONCE THROUGH COOLING (SALINE)	7 780.00	1 275.00	3 1,720.00	12 636.00			84
85 COOLING POND(S)							85
86 COOLING TOWER(S)							86
87 COMBINATIONS[21]							87
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1924 1951	1962	1963 1965	1919 1949	1948 1957		88
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	12.00	14.00	15.00	10.00	11.68 16.50		89
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	2,765.50	623.00	2,149.00	878.70	903.00		90
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	2,017.00	620.00	2,149.00	870.00	503.00		91

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)	1,533.47	9,812.54	9,141.25	1,317.69			92
93 COOLING PONDS ($1,000)							93
94 COOLING TOWERS ($1,000)							94

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	127.20	8.25	343.50	136.00	60.60		95
96 COST OF CHEMICAL ADDITIVES ($1,000)	26.20		83.40	12.00	6.00		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	172.40	31.79	254.80	280.00	21.00		97
98 COST OF CHEMICAL ADDITIVES ($1,000)	74.00	12.41	60.60	770.00	49.90		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	CONSUMERS POWER CO.	CONSUMERS POWER CO.	CONSUMERS POWER CO.	CONSUMERS POWER CO.	CONSUMERS POWER CO.
4	NAME OF PLANT	MORROW	BIG ROCK POINT	KARN	CAMPBELL	PALISADES
5	UTILITY-PLANT CODE	114500-0500	114500-0600	114500-1200	114500-1900	114500-2250
6	STATE	MICHIGAN	MICHIGAN	MICHIGAN	MICHIGAN	MICHIGAN
7	COUNTY	KALAMAZOO	CHARLEVOIS	BAY	OTTAWA	VAN BUREN
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	125 04	126 04	122 04	122 04	082 04
9	PLANT CAPACITY (MW)	186.00		1,155.00	650.00	811.70
10	ANNUAL GENERATION (MWH)[3]	502,600	290,500	4,371,000	3,469,500	2,427,800
11	PLANT HEAT RATE (BTU/KWH)[3]	13,009	11,476	10,263	9,452	12,518

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)			1,272.00	1,487.00	
13	AVERAGE HEAT CONTENT (BTU/LB)			11,082	10,935	
14	AVERAGE SULFUR CONTENT (%)			3.07	3.35	
15	AVERAGE ASH CONTENT (%)			15.10	16.40	
16	AVERAGE MOISTURE CONTENT (%)			8.84	8.12	
17	OIL: CONSUMPTION (1,000 BARRELS)	1,103.80		2,924.30	45.50	
18	AVERAGE HEAT CONTENT (BTU/GAL)	141,036		135,690	139,000	
19	AVERAGE SULFUR CONTENT (%)	1.10		.45	.40	
20	GAS: CONSUMPTION (1,000 MCF)	.70				
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,021				

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	4		3	2	
23	- NO. OF WET BOTTOM					
24	- NO. WITH FLY ASH REINJECTION					
25	- NO. WITH MECHANICAL PRECIPITATORS					
26	- NO. WITH ELECTROSTATIC PRECIPITATORS					
27	- NO. WITH COMBINATION PRECIPITATORS[4]			2	2	
28	- NO. WITH DESULFURIZATION SYSTEMS					
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00		17.00	18.00	
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH					
31	TESTED, LOW - HIGH					
32	ESTIMATED, LOW - HIGH					
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH			95.00	95.00 98.00	
34	TESTED, LOW - HIGH			75.00	80.00 95.00	
35	EST., LOW - HIGH			74.00	79.00 94.00	
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH					
37	TESTED, LOW - HIGH					
38	ESTIMATED, LOW - HIGH					

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.19		42.92	26.80	
40	SULFUR DIOXIDE (1,000 TONS)	4.07		80.80	97.70	
41	NITROGEN OXIDES (1,000 TONS)	2.43		17.67	13.48	
42	STACKS: - TOTAL NO.	2		2	1	
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	262.50		350.00	405.00	
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]					
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	.67		111.20	223.90	
46	SOLD (1,000 TONS)[11]			30.80	48.60	
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)					
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]					
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)					
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)					
51	ELECTROSTATIC PRECIPITATORS ($1,000)			1,014.00	970.60	
52	COMBINATION PRECIPITATORS ($1,000)[4]					
53	DESULFURIZATION SYSTEMS ($1,000)					
54	STACKS ($1,000)	100.00		522.00	312.00	
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)			294.40	496.00	
56	REVENUES FROM SALE OF ASH ($1,000)			22.10	21.40	
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)					
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)					
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]			414.30	531.30	
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)			22.10	21.40	

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	R KALAMAZOO	L MICHIGAN	R SAGINAW	L PIGEON	L MICHIGAN
62	AVERAGE RATE OF WITHDRAWAL (CFS)	142.00		448.00	471.00	186.00
63	AVERAGE RATE OF DISCHARGE (CFS)	142.00		430.60	471.00	157.00
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.22		17.40	4.05	29.00
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG JAN		AUG JAN	AUG JAN	AUG JAN
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT CIVERSION, SUMMER - WINTER	76.00 35.00		74.00 37.00	70.00 40.00	63.00 40.00
67	AT OUTFALL, SUMMER - WINTER	91.00 55.00		89.00 59.00	84.00 51.00	62.00
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	172.00		594.00	546.00	86.00
69	- WINTER	198.00		303.00	334.00	
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	H	H	H	H	H
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.55		.45	.08	
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	49.50		638.68	312.90	195.19
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	16.83		153.27		
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP			15.06		
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	14.12		49.13	13.52	20.28
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES		YES YES	YES	YES YES
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	ST	PS	ST	ST
78	RECEIVING WATER BODY[19]					
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	10.50		10.00 8.00	9.50 7.50	
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	25.00		5.00	5.00 12.00	
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN				31,600.00	
82	- ASH SETTLING					

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	4 180.00	1 75.00	2 530.00	2 650.00	
84	ONCE THROUGH COOLING (SALINE)					
85	COOLING POND(S)					
86	COOLING TOWER(S)			1 605.00		1 686.00
87	COMBINATIONS[21]					
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1939 1949	1962	1959 1975	1962 1967	1974
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	15.00 16.50	20.00	12.00 14.33	16.67 18.33	30.00
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	404.00	1,043.00	1,272.00	668.00	884.00
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	405.00	1,043.00	664.00	668.00	

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)					
93	COOLING PONDS ($1,000)					
94	COOLING TOWERS ($1,000)					18,805.00

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	29.70		175.10	62.00	169.00
96	COST OF CHEMICAL ADDITIVES ($1,000)	11.90		233.70	8.30	32.40

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	16.90		44.30	27.10	70.00
98	COST OF CHEMICAL ADDITIVES ($1,000)	46.40		211.40	111.30	44.20

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	CONSUMERS POWER CO.	CONSUMERS POWER CO.	CORN BELT POWER CO.	CORN BELT POWER CO.	CRAWFOROSVILLE ELEC LT & PWR	
NAME OF PLANT	WEADOCK	WHITING	HUNBOLOT	WISCON	CRAWFOROSVILLE	
UTILITY-PLANT CODE	114500-2600	114500-2900	117500-0600	117500-1000	120500-0100	
STATE	MICHIGAN	MICHIGAN	IOWA	IOWA	INDIANA	
COUNTY	BAY	MONROE	HUMBOLOT	CLAY	MONTGOMERY	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	122 04	124 04	089 07	090 10	084 05	
PLANT CAPACITY (MW)	614.50	325.00	41.50	37.50	35.15	
ANNUAL GENERATION (MWH)[3]	2,950,700	2,165,900	114,000	134,000	95,000	
PLANT HEAT RATE (BTU/KWH)[3]	11,130	9,953	15,569	12,618	18,589	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	771.00	885.00	40.77	42.87	76.18	
AVERAGE HEAT CONTENT (BTU/LB)	11,055	12,172	10,401	11,832	11,536	
AVERAGE SULFUR CONTENT (%)	3.07	.79	2.56	2.93	3.57	
AVERAGE ASH CONTENT (%)	14.82	10.54	16.05	11.60	12.68	
AVERAGE MOISTURE CONTENT (%)	9.02	7.53	9.16	8.51		
OIL: CONSUMPTION (1,000 BARRELS)	2,764.60	1.80				
AVERAGE HEAT CONTENT (BTU/GAL)	135,000	138,000				
AVERAGE SULFUR CONTENT (%)	.45	.14				
GAS: CONSUMPTION (1,000 MCF)			926.41	660.68		
AVERAGE HEAT CONTENT (BTU/CU.FT.)			999	1,000		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	8	3	4	1	4	
- NO. OF WET BOTTOM			1			
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS	6	1	4	1	4	
- NO. WITH ELECTROSTATIC PRECIPITATORS	2	3		1		
- NO. WITH COMBINATION PRECIPITATORS[4]			1			
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00 207.00	20.00	63.00 96.00	20.00	86.00 92.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	80.00 81.00	86.00	63.78 84.45	86.00	56.00 84.00	
TESTED, LOW - HIGH			63.00 84.00			
ESTIMATED, LOW - HIGH	80.00 81.00					
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	99.00	99.00	96.00	96.00		
TESTED, LOW - HIGH	96.50	98.89 99.80				
EST., LOW - HIGH	96.00	98.70 99.50	96.00	96.00		
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	3.97	.62	.75	.17	1.97	
SULFUR DIOXIDE (1,000 TONS)	50.57	13.69	2.05	2.46	5.33	
NITROGEN OXIDES (1,000 TONS)	13.03	7.96	.58	.51	.57	
STACKS: - TOTAL NO.	6	3	2	1	2	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	244.00 498.00	297.00	150.00	148.00	199.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]	112.30	93.30	6.53	4.90	10.50	
SOLD (1,000 TONS)[11]	14.40	14.10				
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
(INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	191.00	74.90	56.40	21.40		
ELECTROSTATIC PRECIPITATORS ($1,000)	2,622.00	7,547.00		1,000.00		
COMBINATION PRECIPITATORS ($1,000)[4]			800.00			
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	4,285.00	209.00	42.00	27.70		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	204.40	88.10	2.47	11.20	14.40	
REVENUES FROM SALE OF ASH ($1,000)	10.80	.80				
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	227.70	108.90	2.47	11.20	14.40	
TOTAL BYPRODUCT SALES REVENUES ($1,000)	10.80	.80				

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE[14]	R SAGINAW	L ERIE	R DES MOINES	W	C SUGAR	
AVERAGE RATE OF WITHDRAWAL (CFS)	484.00	352.00	133.00	.45	.13	
AVERAGE RATE OF DISCHARGE (CFS)	484.00	352.00	133.00		.01	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]				.45	.12	
PEAK LOAD MONTH :	4.26	3.03	1.14			
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER[15]	AUG JAN	AUG JAN		JUL JAN	AUG DEC	
AT OUTFALL, SUMMER - WINTER	70.00 34.00	70.00 33.00	84.00 83.00		86.00 82.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	81.00 54.00	89.00 51.00			98.00 91.00	
- WINTER	960.00	388.00	115.65			
	427.00	246.00	14.25			
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	H	H	O		C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.60	.25	.11	.01		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	120.60	.20	.11	.01	1.50	
LIME (TONS), COOLING WATER - BOILER MAKEUP	6.15		12.52	69.50		
ALUM (TONS), COOLING WATER - BOILER MAKEUP				6.95		
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	7.95	2.10	1.10	.18	3.00	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES YES	YES	YES . YES	YES	
SEWAGE DISPOSAL: NETNOD PS, ST, SW, OT[18]	PS	SW	ST	ST	ST	
RECEIVING WATER BODY[19]		L ERIE	R DES MOINES			
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	10.30 8.00	10.50 8.00	8.00		8.10	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	25.00	15.00 63.00	26.00			
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING			.04			

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	8 614.50	3 325.00	4 43.75			
ONCE THROUGH COOLING (SALINE)						
COOLING PONDS(S)				1 37.50	3 27.65	
COOLING TOWER(S)						
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1940 1958	1952 1953	1949 1954	1960	1948 1965	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	11.70 16.50	12.10 15.00	8.25 12.10	12.00		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,196.00	477.00	26.30	66.80	93.57	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,212.00	477.00	152.00			

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)						
COOLING PONDS ($1,000)			97.00	126.10		
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	61.90	49.50	.50	4.90	20.07	
COST OF CHEMICAL ADDITIVES ($1,000)	1.60	1.70	.40	8.00	65.30	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	44.70	11.50	14.34	4.40	91.37	
COST OF CHEMICAL ADDITIVES ($1,000)	37.60	6.40	2.97	2.30	4.70	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	DAIRYLAND POWER COOPERATIVE	DAIRYLAND POWER COOPERATIVE	DAIRYLAND POWER COOPERATIVE	DAIRYLAND POWER COOPERATIVE	DALLAS POWER & LIGHT CO.	1
2						2
3						3
4 NAME OF PLANT	ALMA	GENOA #3	STONEMAN	GENOA (NUCLEAR)	DALLAS	4
5 UTILITY-PLANT CODE	126000-0100	126000-0450	126000-0500	126000-0700	126500-0100	5
6 STATE	WISCONSIN	WISCONSIN	WISCONSIN	WISCONSIN	TEXAS	6
7 COUNTY	BUFFALO	VERNON	GRANT	VERNON	DALLAS	7
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	128 07	128 07	068 07	128 07	215 12	8
9 PLANT CAPACITY (MW)	205.30	345.60	51.75	50.00	223.75	9
10 ANNUAL GENERATION (MWH)[3]	866,200	1,651,000	184,300	263,000	81,800	10
11 PLANT HEAT RATE (BTU/KWH)[3]	11,363	9,959	13,281		15,747	11
AIR QUALITY CONTROL DATA						
FUEL CONSUMPTION DATA (ANNUAL)						
12 COAL: CONSUMPTION (1,000 TONS)	502.20	801.10	111.00			12
13 AVERAGE HEAT CONTENT (BTU/LB)	9,773	10,194	10,893			13
14 AVERAGE SULFUR CONTENT (%)	2.76	2.85	3.40			14
15 AVERAGE ASH CONTENT (%)	12.68	13.95	11.74			15
16 AVERAGE MOISTURE CONTENT (%)	16.95	12.91	11.53			16
17 OIL: CONSUMPTION (1,000 BARRELS)	4.70	10.21	2.06		.68	17
18 AVERAGE HEAT CONTENT (BTU/GAL)	140,000	140,000	140,000		142,857	18
19 AVERAGE SULFUR CONTENT (%)	.30	.30	.30		.51	19
20 GAS: CONSUMPTION (1,000 MCF)					1,253.49	20
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)					1,024	21
PLANT EQUIPMENT DATA						
22 BOILERS: - TOTAL NO.	5	1	2		9	22
23 - NO. OF WET BOTTOM						23
24 - NO. WITH FLY ASH REINJECTION						24
25 - NO. WITH MECHANICAL PRECIPITATORS						25
26 - NO. WITH ELECTROSTATIC PRECIPITATORS	5	1	2			26
27 - NO. WITH COMBINATION PRECIPITATORS[4]						27
28 - NO. WITH DESULFURIZATION SYSTEMS						28
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	17.70 37.30	20.00	17.70		10.00	29
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						30
31 TESTED, LOW - HIGH						31
32 ESTIMATED, LOW - HIGH						32
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	99.50	99.00	99.50			33
34 TESTED, LOW - HIGH	98.43 99.84		99.71 99.82			34
35 EST., LOW - HIGH	99.70	98.00	99.70			35
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37 TESTED, LOW - HIGH						37
38 ESTIMATED, LOW - HIGH						38
PLANT OPERATING DATA AND COST OF EQUIPMENT						
39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.16	1.90	.03			39
40 SULFUR DIOXIDE (1,000 TONS)	27.27	44.76	7.39			40
41 NITROGEN OXIDES (1,000 TONS)	4.55	7.23	1.00		.25	41
42 STACKS: - TOTAL NO.	1	1	1		1	42
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	700.00	500.00	200.00	137.00	361.00	43
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]	64.10	108.80	12.80			45
46 SOLD (1,000 TONS)[11]	.30	4.00				46
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						50
51 ELECTROSTATIC PRECIPITATORS ($1,000)	6,773.30	811.00	1,858.00			51
52 COMBINATION PRECIPITATORS ($1,000)[4]						52
53 DESULFURIZATION SYSTEMS ($1,000)						53
54 STACKS ($1,000)	1,731.80	605.00	167.50		203.00	54
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	96.30	286.50	18.30			55
56 REVENUES FROM SALE OF ASH ($1,000)		4.60				56
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	133.00	298.40	32.10			59
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)		4.60				60
WATER QUALITY CONTROL DATA						
61 COOLING WATER: SOURCE	P MISSISSIPPI	P MISSISSIPPI	R MISSISSIPPI	R MISSISSIPPI	W	61
62 AVERAGE RATE OF WITHDRAWAL (CFS)	207.00	252.00	78.00	252.00	.80	62
63 AVERAGE RATE OF DISCHARGE (CFS)	207.00	252.00	78.00	252.00		63
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.78	2.17	.67	2.17	.80	64
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG JAN	AUG JAN	AUG JAN	AUG JAN		65
66 MAX. TEMP. DUPING PEAK MONTH (DEG. F.): AT CIVERSION, SUMMER - WINTER	83.00 32.20	83.00 47.00	85.00 36.00	83.00 47.00		66
67 AT OUTFALL, SUMMER - WINTER	98.00 54.00	105.00 77.00	96.00 53.00	105.00 77.00		67
68 AVE. FLOW IN RECEIVING BODY DUPING PEAK MONTH (CFS): SUMMER	27,200.00	27,200.00	35,000.00	27,200.00		68
69 - WINTER	12,700.00	12,700.00	25,700.00	12,700.00		69
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	C	C	C	O	70
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.20	.02			.75 .50	71
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.06	59.73	.63	4.80		72
73 LIME (TONS), COOLING WATER - BOILER MAKEUP						73
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP	3.83		.26			74
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP					1.00	75
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES YES	76
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	ST	PS	ST	PS	77
78 [19] RECEIVING WATER BODY						78
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING					10.00	79
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING					5.00	80
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						81
82 - ASH SETTLING					120.00	82
COOLING FACILITY DATA						
83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	5 192.10	1 345.60	2 52.00	1 50.00		83
84 ONCE THROUGH COOLING (SALINE)						84
85 COOLING POND(S)					3 70.00	85
86 COOLING TOWER(S)					2 153.75	86
87 COMBINATIONS[21]						87
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1947 1959	1969	1951 1952	1967	1924 1954	88
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	18.00	17.30	16.00 16.93	15.00	15.00 16.00	89
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	280.00	362.00	85.90	142.60	257.00	90
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	280.00	378.00	94.90	142.60		91
CAPITAL COSTS OF COOLING FACILITIES						
92 ONCE THROUGH COOLING SYSTEMS ($1,000)	1,085.30	1,168.00	413.20	377.00		92
93 COOLING PONDS ($1,000)					495.00	93
94 COOLING TOWERS ($1,000)					1,405.00	94
ANNUAL COOLING WATER EXPENSES						
95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	3.00	56.40	3.00	3.50	52.00	95
96 COST OF CHEMICAL ADDITIVES ($1,000)					7.00	96
ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES						
97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	20.70	45.60	15.70	9.70	34.00	97
98 COST OF CHEMICAL ADDITIVES ($1,000)	2.60	2.20	1.00	4.80	1.00	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	DALLAS POWER & LIGHT CO.	DALLAS POWER & LIGHT CO.	DALLAS POWER & LIGHT CO.	DALLAS POWER & LIGHT CO.	CITY OF DANVILLE, WTR, GAS, & ELEC DEPT.	
NAME OF PLANT	MOUNTAIN CREEK	NORTH LAKE	PARKDALE	LAKE HUBBARD	BRANTLY	
UTILITY-PLANT CODE	126500-0200	126500-0300	126500-0400	126500-0500	127000-0100	
STATE	TEXAS	TEXAS	TEXAS	TEXAS	VIRGINIA	
COUNTY	DALLAS	DALLAS	DALLAS	DALLAS	PITTSYLVANIA	
AIR QUALITY CONTROL REGION NO. 1/ - WATER RESOURCE REGION NO. 2/	215 12	215 12	215 12	215 12	222 03	
PLANT CAPACITY (MW)	989.74	708.61	340.63	927.52	29.00	
ANNUAL GENERATION (MWH) 3/	2,094,700	2,097,600	231,700	2,829,700	100,000	
PLANT HEAT RATE (BTU/KWH) 3/	10,437	10,613	12,722	10,465	15,940	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)					47.49	
AVERAGE HEAT CONTENT (BTU/LB)					13,330	
AVERAGE SULFUR CONTENT (%)					.90	
AVERAGE ASH CONTENT (%)					7.50	
AVERAGE MOISTURE CONTENT (%)					3.00	
OIL: CONSUMPTION (1,000 BARRELS)	9.01	9.49	1.45	56.87	2.10	
AVERAGE HEAT CONTENT (BTU/GAL)	142,857	142,857	142,857	142,857	134,000	
AVERAGE SULFUR CONTENT (%)	.55	.74	.98	.16	.25	
GAS: CONSUMPTION (1,000 MCF)	21,316.01	21,729.08	2,879.21	28,674.53	300.64	
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,023	1,022	1,021	1,021	1,045	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	8	3	3	2	3	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS					3	
- NO. WITH ELECTROSTATIC PRECIPITATORS						
- NO. WITH COMBINATION PRECIPITATORS 4/						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER 5/	8.00 19.00	8.00	7.00 8.00	7.00 8.00	20.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH					84.00 84.70	
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH					84.00 84.70	
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY 6/: DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
EST., LOW - HIGH						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS 7/: PARTICULATE MATTER (1,000 TONS)				.01	.47	
SULFUR DIOXIDE (1,000 TONS)	.02	.02		.03	.84	
NITROGEN OXIDES (1,000 TONS)	4.14	4.26	.56	5.72	.49	
STACKS: - TOTAL NO.	8	6	6	2	3	
- HEIGHT (FEET), LOWEST - HIGHEST 8/	142.00 186.00	164.00 193.00	143.00 156.00	156.00 199.00	62.50	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) 9/					3.10	
TOTAL ASH: COLLECTED (1,000 TONS) 10/						
SOLD (1,000 TONS) 11/						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) 12/						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)					28.00	
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000) 6/						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	200.00	94.00	48.00	136.00	19.50	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) 13/						
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE 14/	L MOUNTAIN CREEK	M	CW WHITE ROCK	R TRINITY	R DAN	
AVERAGE RATE OF WITHDRAWAL (CFS)	394.00	5.00	2.30	481.00	55.00	
AVERAGE RATE OF DISCHARGE (CFS)	391.00		.20	477.00	55.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED 14/	3.00	8.00	2.10	4.14 4.00	.47	
PEAK LOAD MONTH : SUMMER - WINTER 15/	AUG DEC	AUG DEC		AUG DEC	AUG DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	93.00 56.00			84.00 54.00	94.00 47.00	
AT OUTFALL, SUMMER - WINTER	93.00 56.00			101.00 92.00	103.00 57.00	1,200.00
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	.10					2,200.00
- WINTER	.10					
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O 16/	O	O	O	C	H	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.40	.65	5.85 .40	.10	.65	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	287.00	244.50	46.30	111.50	2.40	
LIME (TONS), COOLING WATER - BOILER MAKEUP		10.95		26.00		
ALUM (TONS), COOLING WATER - BOILER MAKEUP						
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP 17/	5.00	4.00	4.00	6.00	4.00	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP 17/	YES YES	YES YES	YES YES	YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT 18/	PS	OT	PS	OT		
RECEIVING WATER BODY 19/		O NORTH LAKE RES		L RAY HUBBARD		
POND DISCHARGE: PH,	8.00	8.00	10.00	9.00		
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	50.00	10.00	3.00	5.00	425.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN				260,000.00	155.00	
- ASH SETTLING	1,020.00	350.00	640.00		225.00	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING 20/: ONCE THROUGH COOLING (FRESH)				2 927.52	3 29.00	
ONCE THROUGH COOLING (SALINE)						
COOLING PONDS)	6 989.74	3 708.61				
COOLING TOWERS)			3 340.63			
COMBINATIONS 21/						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1938	1959	1953 1968	1970 1973	1949 1953	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST 22/	9.00 20.00	14.00 16.00	17.00 21.00	16.00 19.00	13.40 13.80	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,481.00	898.00	432.00	1,209.00	68.70	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)				1,209.00	68.70	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)				6,500.00	270.00	
COOLING PONDS ($1,000)	4,333.00	3,555.00				
COOLING TOWERS ($1,000)			3,447.00			

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	18.00	14.00	17.00	13.00		
COST OF CHEMICAL ADDITIVES ($1,000)	3.00	2.00	8.00	1.00	1.12	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	32.00	20.00	16.00	24.00		
COST OF CHEMICAL ADDITIVES ($1,000)	55.00	31.00	7.00	23.00	1.62	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	ATLANTIC CITY ELECTRIC CO.	DELMAPVA POWER & LIGHT CO. OF MD.	DELMAPVA POWER & LIGHT CO.	DELMARVA POWER & LIGHT CO.	DELMAPVA POWER & LIGHT CO.	
4 NAME OF PLANT	OEEPWATEP	VIENNA	DELAWARE CITY	EDGE MOOP	INDIAN RIVEP	
5 UTILITY-PLANT CCOE	128500-0100	129500-0300	130500-0100	130500-0200	130500-0300	
6 STATE	NEW JERSEY	MARYLAND	DELAWAPE	DELAWAPE	DELAWAPE	
7 COUNTY	SALEM	DORCHESTER	NEW CASTLE	NEW CASTLE	SUSSEX	
8 AIR QUALITY CONTROL REGION NO. 1/ - WATEP RESOUPCE REGION NO. 2/	045 02	114 02	065 02	045 02	046 02	
9 PLANT CAPACITY (MW)	308.30	229.50	130.00	775.10	340.00	
10 ANNUAL GENERATION (MWH) 3/	1,284,000	515,000	834,000	2,578,000	2,261,900	
11 PLANT HEAT RATE (BTU/KWH) 3/	16,126	13,225	21,265	10,349	10,120	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)			177.60		903.00	
13 AVERAGE HEAT CONTENT (BTU/LB)			14,132		12,390	
14 AVERAGE SULFUP CONTENT (%(			8.14		2.12	
15 AVERAGE ASH CONTENT (%)			.18		12.97	
16 AVERAGE MOISTURE CONTENT (%(			.41		6.47	
17 OIL: CONSUMPTION (1,000 BARRELS(	3,475.64	1,103.00	1,302.60	4,435.40	83.00	
18 AVERAGE HEAT CONTENT (BTU/GAL)	141,716	145,628	141,666	143,957	137,019	
19 AVERAGE SULFUR CONTENT (%(	.30	1.30	.79	.80	.35	
20 GAS: CONSUMPTION (1,000 MCF)	14.65		4,480.60	107.96		
21 AVERAGE HEAT CONTENT (BTU/CU.FT.(	1,025		1,108	1,024		

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	8		4		4		5		3			
23 - NO. OF WET BOTTOM	5				4				3			
24 - NO. WITH FLY ASH REINJECTION	1											
25 - NO. WITH MECHANICAL PRECIPITATORS	1		1		4		1					
26 - NO. WITH ELECTROSTATIC PRECIPITATORS	7		4		3		4					
27 - NO. WITH COMBINATION PRECIPITATORS 4/	1				1		1					
28 - NO. WITH OESULFURIZATION SYSTEMS									3			
29 - EXCESS AIR USED (%(, LOWEST BOILER - HIGHEST BOILER 5/												
30 MECHANICAL PRECIPITATOR EFFICIENCY : OESIGN, LOW - HIGH	7.00	30.00	10.00	20.00	20.00	5.00	20.00		20.00			
31 TESTEO, LOW - HIGH	82.00	88.00	85.00	87.50		72.00	85.50					
32 ESTIMATED, LOW - HIGH	64.50	84.10	38.20	63.20		56.90	65.90					
33 ELECTROSTATIC/COMBINATION PPECIPITATOR EFFICIENCY 6/: DESIGN, LOW - HIGH				87.50	75.00	72.00	85.50					
34 TESTEO, LOW - HIGH		90.00			97.50		95.00	98.00	99.50			
35 EST., LOW - HIGH		90.70			99.20				98.60			
36 OESULFURIZATION SYSTEM EFFICIENCY : OESIGN, LOW - HIGH		75.00					95.00	90.00	95.00			
37 TESTEO, LOW - HIGH												
38 ESTIMATEO, LOW - HIGH												

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISS(ONS 7): PARTICULATE MATTER (1,000 TONS)	.13		.07		.12		.11		5.78			
40 SULFUR OIOXIDE (1,000 TONS)	3.50		4.81		31.79		11.90		37.62			
41 NITROGEN OXIOES (1,000 TONS)	7.67		2.43		6.41		5.80		13.73			
42 STACKS: - TOTAL NO.	6		5		1		5		3			
43 - HEIGHT (FEET), LOWEST - HIGHEST 8/	175.20	225.50	133.00	160.00	500.00	220.00	275.00	230.00	385.00			
44 COMBUSTION CYCLE AOOITIVES (1,000 TONS 9/							.22					
45 TOTAL ASH: COLLECTEO (1,000 TONS) 10/					.05		.10		109.00			
46 SOLO (1,000 TONS) 11/					.05							
47 TOTAL SULFUR: ELEMENTAL COLLECTEO (1,000 TONS)												
48 EQUIVALENT OF ACIO COLLECTEO (1,000 TONS) 12/												
49 ELEMENTAL AND EQUIVALENT OF ACIO SOLO (1,000 TONS)												
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000(	373.50		122.00				253.00					
51 ELECTROSTATIC PRECIPITATORS ($1,000(	218.20						200.00					
52 COMBINATION PRECIPITATORS ($1,000 4/									956.00			
53 OESULFURIZATION SYSTEMS ($1,000(												
54 STACKS ($1,000)	313.70		64.00		265.00		281.00		686.00			
55 ASH COLLECTION AND OISPOSAL EXPENSES ($1,000(							5.05		83.00			
56 REVENUES FROM SALE OF ASH ($1,000)					31.10							
57 SULFUR PRODUCT COLLECTION AND OISPOSAL EXPENSES ($1,000(												
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000(												
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000 13/							9.52		83.00			
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)					31.10							

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	R OELAWARE		R NANTICOKE		R DELAWAPE		P OELAWARE		P INDIAN			
62 AVERAGE RATE OF WITHORAWAL (CFS)	361.00		130.00		110.00		1,353.40		614.00			
63 AVEPAGE RATE OF OISCHARGE (CFS(	361.00		126.00		110.00		1,353.40		614.00			
64 AVE. RATE OF CONSUMPTION (CFS(, CALCULATED - REPORTED 14/	3.10		4.00		.95		11.64		5.28			
65 PEAK LOAO MONTH : SUMMER - WINTER 15/	AUG	JAN	AUG	DEC	JUL	FEB	AUG	JAN	AUG	CEC		
66 MAX. TEMP. OURING PEAK MONTH (OEG. F.): AT CIVERSION, SUMMER - WINTER	86.00	49.00	80.00	40.00	116.00	78.00	78.00	46.00	88.00	36.00		
67 AT OUTFALL, SUMMER - WINTER	98.00	62.00	90.00	50.00			92.00	57.00	95.00	42.00		
68 AVE. FLOW IN RECEIVING BOOY OURING PEAK MONTH (CFS): SUMMER		362,000.00		20,000.00		150.00		5,000.00		2,500.00		
69 - WINTER		362,000.00		20,000.00		65.00		12,000.00		2,500.00		
70 FREQUFNCY OF TEMPERATURE MONITORING: C, H, O, O 16/	C		H		C		C		C			
71 CHEMICAL AOOITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		1.08		.70		2.50		1.16		1.10		
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP				106.19		325.00		3.35		54.31		
73 LIME (TONS), COOLING WATER - BOILER MAKEUP		6.22				7.50						
74 ALUM (TONS(, COOLING WATER - BOILER MAKEUP												
75 CHLORINE (TONS(, COOLING WATER - BOILER MAKEUP	36.00		2.50	1.60		7.50	14.00		18.00			
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP 17/		YES		YES		YES		YES		YES		
77 SEWAGE OISPOSAL: METHOO PS, ST, SW, OT 18/	ST		PS		OT				ST			
78 RECEIVING WATER BOOY	P DELAWAPE											
79 POND OISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	11.00		11.00									
80 SUSPENOED SOLIOS (PPM(, BOILER BLOWDOWN - ASH SETTLING	20.00		400.00							3.60		
81 VOLUME (1,000 CUFT/YR(, BOILER BLOWDOWN		21,900.00		30.00						1.00		
82 - ASH SETTLING										2,800.00		

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW(USING 20): ONCE THROUGH COOLING (FRESH)												
84 ONCE THROUGH COOLING (SALINE(	4	261.10	3	67.50	3	130.00	1	409.00	3	340.00		
85 COOLING PONOS(												
86 COOLING TOWER(S)			1	162.00								
87 COMBINATIONS 21/							4	357.00				
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1930	1958	1948	1971	1956	1961	1951	1973	1957	1970		
89 OESIGN: TEMP. RISE ACROSS CONOENSERS (OEG. F(, SMALLEST - LARGEST 22/	10.00	12.00	17.00	25.00		13.00		10.00	12.00	13.50		
90 TOTAL RATE OF FLOW THPOUGH ALL CONOENSERS (CFS)		622.00		270.80		154.00		1,578.00		585.00		
91 TOTAL PATE OF WITHOPAWAL, ONCE THPOUGH COOLING SYSTEMS (CFS(		622.00		123.80		154.00		1,593.00		585.00		

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)	2,156.80		479.00				2,533.00		385.00			
93 COOLING PONOS ($1,000(												
94 COOLING TOWERS ($1,000(			469.00									

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	25.00		150.00						242.00			
96 COST OF CHEMICAL AOOITIVES ($1,000(	12.25		.50				4.48		8.00			

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000(	76.80		10.00						30.00			
98 COST OF CHEMICAL AOOITIVES ($1,000)	2.60		10.00		100.00		69.51		14.00			

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	DENTON, CITY OF	DETROIT PUBLIC LIGHTING COMM.	DOVER, CITY OF	DUKE POWER CO.	DUKE POWER CO.	
NAME OF PLANT	DENTON	MISTERSKY	MCKEE RUN	ALLEN	BELEWS CREEK	
UTILITY-PLANT CODE	132000-0100	136000-0100	138500-0100	139500-0200	139500-0250	
STATE	TEXAS	MICHIGAN	DELAWARE	NORTH CAROLINA	NORTH CAROLINA	
COUNTY	DENTON	WAYNE	KENT	GASTON	STOKES	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	215 12	123 04	046 02	167 03	166 03	
PLANT CAPACITY (MW)	189.28	201.50	172.00	1,155.00	2,160.00	
ANNUAL GENERATION (MWH)[3]	447,000	618,900	305,000	4,248,100	5,624,600	
PLANT HEAT RATE (BTU/KWH)[3]	13,998	10,826	13,203	9,852	8,930	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)		271.47		1,790.53	2,125.50	
AVERAGE HEAT CONTENT (BTU/LB)		11,320		11,687	11,826	
AVERAGE SULFUR CONTENT (%)		1.38		1.06	1.01	
AVERAGE ASH CONTENT (%)		13.91		14.15	12.44	
AVERAGE MOISTURE CONTENT (%)		8.81		7.43	6.95	
OIL: CONSUMPTION (1,000 BARRELS)	121.10	101.79	605.00	28.31	75.08	
AVERAGE HEAT CONTENT (BTU/GAL)	139,680	138,203	148,289	137,000	137,000	
AVERAGE SULFUR CONTENT (%)	1.00	.30	1.71	.20	.20	
GAS: CONSUMPTION (1,000 MCF)	5,277.36		249.00			
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,051		1,030			

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	5	10	3	5	1	
- NO. OF WET BOTTOM		2				
- NO. WITH FLY ASH REINJECTION			1			
- NO. WITH MECHANICAL PRECIPITATORS			3			
- NO. WITH ELECTROSTATIC PRECIPITATORS				3	1	
- NO. WITH COMBINATION PRECIPITATORS[4]		2		2		
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00 12.00	16.60 20.00	15.00	20.00	20.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			80.00 94.90			
TESTED, LOW - HIGH			85.50 85.60			
ESTIMATED, LOW - HIGH			80.00 82.10			
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH				99.00 99.50	99.70	
TESTED, LOW - HIGH		96.50 97.70		97.33 99.02	97.38	
EST., LOW - HIGH		66.20				
LOW - HIGH						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)		9.79	.02	4.42	5.46	
SULFUR OIOXIDE (1,000 TONS)	.01	7.28	3.40	37.20	38.99	
NITROGEN OXIDES (1,000 TONS)	1.06	3.93	1.36	16.11	17.73	
STACKS: - TOTAL NO.	5	6	2	5	1	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	47.00 80.00	195.00	175.00 200.00	252.25	600.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]		20.60		253.40	264.40	
TOTAL ASH: COLLECTED (1,000 TONS)[10]				17.40		
SOLD (1,000 TONS)[11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)				1,374.00		
ELECTROSTATIC PRECIPITATORS ($1,000)		211.20		1,263.00		
COMBINATION PRECIPITATORS ($1,000)[4]						
DESULFURIZATION SYSTEMS ($1,000)		23.50		594.60	1,668.00	
STACKS ($1,000)				71.90	43.03	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)				2.50		
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)				121.00	46.26	
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]				2.50		
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE[14]	O SEWAGE EFFLNT.	R DETROIT	W	L WYLIE	L BELWES CREEK	
AVERAGE RATE OF WITHDRAWAL (CFS)	1.75			703.80	873.40	
AVERAGE RATE OF DISCHARGE (CFS)	.35			697.70	866.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.40			6.05 6.10	7.40	
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL SEP		AUG DEC	AUG DEC	AUG DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	68.00 58.00			86.00 55.60	87.90 59.20	
AT OUTFALL, SUMMER - WINTER	79.00 76.00			104.80 70.50	106.20 79.90	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	2.75			3,345.00	35.00	
- WINTER	2.18			4,364.50	38.40	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]		H		H	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.01	.31	.63	.10		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.02	15.91	42.00	301.00	209.62	
LIME (TONS), COOLING WATER - BOILER MAKEUP				18.25		
ALUM (TONS), COOLING WATER - BOILER MAKEUP				3.90	1.13	
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	35.26		4.22	YES	YES	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES YES	YES YES	YES YES			
SEWAGE DISPOSAL: METHOD AS, ST, SW, OT[18]	PS	PS	PS	ST/OT	ST/OT	
RECEIVING WATER BODY		R DETROIT		L WYLIE	C BELEWS	
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING				8.00	6.00	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING						

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		6 170.00		5 1,155.00	1 1,080.00	
ONCE THROUGH COOLING (SALINE)						
COOLING POND(S)						
COOLING TOWER(S)	5 189.28		3 171.50			
COMB(NATIONS)[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: CLOSEST SYSTEM - NEWEST SYSTEM	1955 1973	1927 1956	1961 1973	1957 1961	1974	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	10.00 14.00	10.00	12.00 18.70	17.70 18.00	18.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	33.46	510.00	136.10	1,214.30	1,128.70	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		510.00		1,212.00	1,169.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)				4,000.00	3,696.00	
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)	794.80		434.00			

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	12.63					
COST OF CHEMICAL ADDITIVES ($1,000)	42.28	.93	25.00			

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	10.81					
COST OF CHEMICAL ADDITIVES ($1,000)	1.43	6.97	8.00	38.50	35.10	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	DUKE POWER CO.	DUKE POWER CO.	DUKE POWER CO.	DUKE POWER CO.	DUKE POWER CO.	1
2							2
3							3
4	NAME OF PLANT	BUCK	CLIFFSIDE	DAN RIVER	LEE	MARSHALL	4
5	UTILITY-PLANT CODE	139500-0500	139500-0800	139500-1000	139500-1900	139500-2200	5
6	STATE	NORTH CAROLINA	NORTH CAROLINA	NORTH CAROLINA	SOUTH CAROLINA	NORTH CAROLINA	6
7	COUNTY	ROWAN	CLEVELAND	ROCKINGHAM	ANDERSON	CATAWBA	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	167 03	165 03	136 03	202 03	165 03	8
9	PLANT CAPACITY (MW)	533.00	770.00	290.00	345.00	2,000.00	9
10	ANNUAL GENERATION (MWH)[3]	1,122,100	3,211,800	856,400	930,700	10,440,200	10
11	PLANT HEAT RATE (BTU/KWH)[3]	10,182	9,849	10,458	10,253	8,962	11
	AIR QUALITY CONTROL DATA						
	FUEL CONSUMPTION DATA (ANNUAL)						
12	COAL: CONSUMPTION (1,000 TONS)	484.51	1,338.80	381.94	415.94	4,100.69	12
13	AVERAGE HEAT CONTENT (BTU/LB)	11,641	11,812	11,724	11,471	11,389	13
14	AVERAGE SULFUR CONTENT (%)	.95	1.25	.94	1.07	1.10	14
15	AVERAGE ASH CONTENT (%)	15.60	15.52	13.99	12.75	15.92	15
16	AVERAGE MOISTURE CONTENT (%)	7.23	6.66	7.23	9.00	7.73	16
17	OIL: CONSUMPTION (1,000 BARRELS)	24.76	19.35	11.49	10.01	27.03	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	138,832	137,000	137,000	137,000	138,172	18
19	AVERAGE SULFUR CONTENT (%)	.20	.10	.20	.20	.20	19
20	GAS: CONSUMPTION (1,000 MCF)						20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)						21
	PLANT EQUIPMENT DATA						
22	BOILERS: - TOTAL NO.	9	5	3	3	4	22
23	- NO. OF WET BOTTOM						23
24	- NO. WITH FLY ASH REINJECTION						24
25	- NO. WITH MECHANICAL PRECIPITATORS						25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	5	5	3	3	2	26
27	- NO. WITH COMBINATION PRECIPITATORS[4]					2	27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]						29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	19.00 23.00	20.00 23.00	19.00 22.00	22.00	16.00	30
31	TESTED, LOW - HIGH						31
32	ESTIMATED, LOW - HIGH						32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	99.00	99.00 99.50	99.00 99.20	99.00	99.00 99.70	33
34	TESTED, LOW - HIGH	99.71 99.87					34
35	EST., LOW - HIGH	99.00	99.00	99.00 99.10	99.00	95.00 99.00	35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38
	PLANT OPERATING DATA AND COST OF EQUIPMENT						
39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.15	1.77	.44	.45	13.95	39
40	SULFUR DIOXIDE (1,000 TONS)	9.02	32.81	7.04	8.72	88.43	40
41	NITROGEN OXIDES (1,000 TONS)	4.36	12.09	3.44	3.74	36.97	41
42	STACKS: - TOTAL NO.	9	5	4	6	4	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	176.30 215.50	154.00 500.00	180.00 188.00	213.00	280.50	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	75.60	207.70	53.40	53.00	652.79	45
46	SOLD (1,000 TONS)[11]					69.07	46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	11,457.00	9,469.00	4,338.00	5,890.00	8,596.00	51
52	COMBINATION PRECIPITATORS ($1,000)					444.00	52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)	53.00	994.00	60.00	21.00	1,056.00	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	80.80	98.00	23.00	31.00	363.23	55
56	REVENUES FROM SALE OF ASH ($1,000)					16.35	56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	80.80	98.00	23.00	31.00	372.46	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)					16.35	60
	WATER QUALITY CONTROL DATA						
61	COOLING WATER: SOURCE:	R YADKIN	R 8RDAD	R DAN	R SALUDA	L NORMAN	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	218.60	102.30	186.30	177.00	1,205.20	62
63	AVERAGE RATE OF DISCHARGE (CFS)	216.70	88.30	184.70	175.50	1,492.30	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.88 1.90	14.00	1.60	1.50	12.94 12.90	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC	AUG DEC	AUG DEC	AUG DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	83.90 49.00	79.20 51.70	81.00 47.20	81.50 50.00	69.50 55.90	66
67	AT OUTFALL, SUMMER - WINTER	96.80 67.00	90.10 54.20	95.00 60.10	93.50 71.10	86.80 74.80	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	1,933.00		862.00	738.00	7,814.00	68
69	- WINTER	3,496.00		1,069.00	1,020.00	3,259.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	H	H	H	H	H	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.07	.05		.06		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	50.41	5.00 82.00	35.00	16.99	52.00	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP						73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	8.00	225.00	3.90	2.10	20.00	74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	6.00 1.88	22.50 1.50	4.50 .90	.29	.27	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES YES	YES	YES	YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST/OT	ST/OT	OT	ST	OT	77
78	RECEIVING WATER BODY[19]	R YADKIN	R 8RDAO	R DAN		L NORMAN	78
79	POND DISCHARGE: PH,						79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	9.40	6.50	9.40	7.10	8.00	80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING						81
82							82
	COOLING FACILITY DATA						
83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	6 440.00	4 210.00	3 290.00		4 2,000.00	83
84	ONCE THROUGH COOLING (SALINE)						84
85	COOLING POND(S)						85
86	COOLING TOWER(S)		1 571.00				86
87	COMBINATIONS[21]						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1926 1953	1940 1972	1949 1955	3 355.00 1951 1958	1965 1970	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	12.00 14.00	13.00 23.00	14.00 16.00	15.00 17.00	17.00 18.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	900.00	963.60	441.00	512.00	2,157.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	900.00	408.00	441.00	512.00	228.00	91
	CAPITAL COSTS OF COOLING FACILITIES						
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	727.00	359.00	855.00	552.00	5,149.00	92
93	COOLING PONDS ($1,000)						93
94	COOLING TOWERS ($1,000)		2,754.00		951.00		94
	ANNUAL COOLING WATER EXPENSES						
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)						95
96	COST OF CHEMICAL ADDITIVES ($1,000)	1.44	10.70	2.00			96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES						
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)						97
98	COST OF CHEMICAL ADDITIVES ($1,000)	6.15	16.00	6.00	2.67	14.40	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	DUKE POWER CO.	DUKE POWER CO.	DUQUESNE LIGHT CO.	DUQUESNE LIGHT CO.	DUQUESNE LIGHT CO.	1
2							2
3							3
4	NAME OF PLANT	OCONEE	RIVERBEND	ELRAMA	PHILLIPS	CHESWICK	4
5	UTILITY-PLANT CODE	139500-2350	139500-2600	140000-0200	140000-0300	140000-0800	5
6	STATE	SOUTH CAROLINA	NORTH CAROLINA	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA	6
7	COUNTY	OCONEE	GASTON	WASHINGTON	ALLEGHENY	ALLEGHENY	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	202 03	167 03	197 05	197 05	197 05	8
9	PLANT CAPACITY (MW)	2,661.00	751.00	510.00	411.00	565.00	9
10	ANNUAL GENERATION (MWH)[3]	15,290,000	1,144,100	2,508,400	1,711,900	3,344,500	10
11	PLANT HEAT RATE (BTU/KWH)[3]	10,449	10,409	10,848	12,882	9,877	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)		506.63	1,244.98	991.65	1,399.83	12
13	AVERAGE HEAT CONTENT (BTU/LB)		11,651	10,916	11,083	11,002	13
14	AVERAGE SULFUR CONTENT (%)		1.22	2.18	1.85	2.21	14
15	AVERAGE ASH CONTENT (%)		13.24	20.08	18.17	19.34	15
16	AVERAGE MOISTURE CONTENT (%)		7.62	5.67	6.03	5.98	16
17	OIL: CONSUMPTION (1,000 BARRELS)		17.75				17
18	AVERAGE HEAT CONTENT (BTU/GAL)		138,684				18
19	AVERAGE SULFUR CONTENT (%)		.20				19
20	GAS: CONSUMPTION (1,000 MCF)						20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)						21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.		6	4	6	1	22
23	- NO. OF WET BOTTOM						23
24	- NO. WITH FLY ASH REINJECTION						24
25	- NO. WITH MECHANICAL PRECIPITATORS		4			1	25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS			4	6		26
27	- NO. WITH COMBINATION PRECIPITATORS[4]				1		27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00 44.00	18.00 25.00		26.00	18.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						30
31	TESTED, LOW - HIGH						31
32	ESTIMATED, LOW - HIGH						32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	99.03 99.06	97.90 98.30	95.00 98.20		99.50	33
34	TESTED, LOW - HIGH	99.62 99.86	86.10 92.70	77.00 86.60		99.20	34
35	EST., LOW - HIGH		86.10 92.70	75.00 86.60		99.20	35
36	LOW - HIGH				80.00		36
37	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						37
38	TESTED, LOW - HIGH			50.00	50.00		38
	ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)		.16	19.17	4.33	1.84	39
40	SULFUR DIOXIDE (1,000 TONS)		12.11	51.63	35.74	60.64	40
41	NITROGEN OXIDES (1,000 TONS)		4.56	10.89	6.92	12.60	41
42	STACKS: - TOTAL NO.		10	4	7	1	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	216.75 226.75	272.00 292.00	250.00 341.50		750.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	66.90	239.20	156.80		268.90	45
46	SOLD (1,000 TONS)[11]						46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	10,476.00				1,473.00	51
52	COMBINATION PRECIPITATORS ($1,000)[14]		1,803.50	2,485.60			52
53	DESULFURIZATION SYSTEMS ($1,000)			32,340.00			53
54	STACKS ($1,000)	96.52	352.80	1,095.70		1,313.00	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	77.60	1,079.00	671.10		248.70	55
56	REVENUES FROM SALE OF ASH ($1,000)						56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)		49.90	622.70			57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	84.80	5,687.80	5,311.50		1,199.10	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)						60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	L KEOWEE	L MT. ISLAND	R MONONGAHELA	R OHIO	R ALLEGHENY	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	3,705.00	272.80	589.50	615.80	470.40	62
63	AVERAGE RATE OF DISCHARGE (CFS)	3,673.00	270.50	589.00	614.90	470.00	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	31.86 31.90	2.35 2.30	5.07 .50	5.30 .90	4.05 .40	64
65	SUMMER - WINTER[15]	AUG DEC	AUG DEC	AUG JAN	AUG JAN	AUG JAN	65
66	PEAK LOAD MONTH : SUMMER - WINTER	77.30 62.10	83.40 56.00	97.00 43.00	84.00 41.00	85.00 41.00	66
67	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	93.00 78.80	93.00 65.50	112.00 80.00	97.00 57.00	109.00 71.00	67
68	AT OUTFALL, SUMMER	1,402.80	3,001.00				68
69	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	1,551.60	3,304.00				69
70	- WINTER	C	H	H	H	H	70
71	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]		.05	.97	1.00	.07	71
72	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	58.88	31.40		.02	81.28	72
73	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP						73
74	LIME (TONS), COOLING WATER - BOILER MAKEUP		4.00				74
75	ALUM (TONS), COOLING WATER - BOILER MAKEUP	.90	.05 1.20	22.00	45.00	24.00	75
76	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES	76
77	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	OT	ST/OT	ST	PS	PS	77
78	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	L HARTWELL	L MT. ISLAND				78
79	RECEIVING WATER BODY		7.60	9.00	8.00		79
80	POND DISCHARGE[19]: PH, BOILER BLOWDOWN - ASH SETTLING			60.00	50.00		80
81	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						81
82	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING			34,000.00	32,800.00		82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	3 2,661.00	7 631.00	4 425.00	4 315.00	1 565.00	83
84	ONCE THROUGH COOLING (SALINE)						84
85	COOLING POND(S)						85
86	COOLING TOWER(S)						86
87	COMBINATIONS[21]						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1973 1974	1929 1954	1952 1960	1942 1956	1970	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	17.00	13.00 16.00	20.00	20.00	11.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	4,122.00	1,093.60	392.00	420.50	553.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	6,885.00	1,242.60	785.00	817.00	553.00	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	14,800.00	383.00	1,981.00	1,113.40	4,248.00	92
93	COOLING PONDS ($1,000)						93
94	COOLING TOWERS ($1,000)					752.00	94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)						95
96	COST OF CHEMICAL ADDITIVES ($1,000)		.09	5.83	11.93	6.26	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)						97
98	COST OF CHEMICAL ADDITIVES ($1,000)	24.90	6.74	6.48	6.48	54.21	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	EAST KENTUCKY RURAL ELECTRIC COOP.	EAST KENTUCKY RURAL ELECTRIC COOP.	EASTERN IOWA LT & PWR COOP	EL PASO ELECTRIC CO.	EL PASO ELECTRIC CO.	1
2							2
3							3
4	NAME OF PLANT	COOPER	OALE	FAIR	NEWMAN	RIO GRANDE	4
5	UTILITY-PLANT CODE	141500-0100	141500-0200	142500-0100	144500-0100	144500-0200	5
6	STATE	KENTUCKY	KENTUCKY	IOWA	TEXAS	NEW MEXICO	6
7	COUNTY	PULASKI	CLARK	MUSCATINE	EL PASO	DONA ANA	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	105 05	102 05	069 07	153 13	153 13	8
9	PLANT CAPACITY (MW)	354.00	194.00	62.50	265.80	401.50	9
10	ANNUAL GENERATION (MWH)[3]	1,466,500	703,100	252,600	1,873,600	1,102,900	10
11	PLANT HEAT RATE (BTU/KWH)[3]	10,552	11,349	12,071	9,734	11,559	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	651.72	356.75	87.90				12
13	AVERAGE HEAT CONTENT (BTU/LB)	11,872	11,161	10,343				13
14	AVERAGE SULFUR CONTENT (%)	2.16	1.52	2.69				14
15	AVERAGE ASH CONTENT (%)	13.21	13.37	8.41				15
16	AVERAGE MOISTURE CONTENT (%)	4.85	8.86	18.26				16
17	OIL: CONSUMPTION (1,000 BARRELS)		2.14		4.60	1,409.40		17
18	AVERAGE HEAT CONTENT (BTU/GAL)		138,600		155,209	140,191		18
19	AVERAGE SULFUR CONTENT (%)		.20		1.40	.37		19
20	GAS: CONSUMPTION (1,000 MCF)			1,186.40	17,939.00	4,149.00		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)			1,038	1,015	1,073		21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	2	4	2	3	9		22
23	- NO. OF WET BOTTOM							23
24	- NO. WITH FLY ASH REINJECTION							24
25	- NO. WITH MECHANICAL PRECIPITATORS		2	2				25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS							26
27	- NO. WITH COMBINATION PRECIPITATORS[4]	2	2	2				27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00	20.00	18.00 20.96	5.00	5.00 15.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		85.00	85.00				30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH							32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH		85.00					33
34	TESTED, LOW - HIGH	98.00	96.00	92.00				34
35	EST., LOW - HIGH	99.20 99.30	98.75	90.00 94.50				35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH			88.00 91.00				36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.56	1.20	.63		.24		39
40	SULFUR DIOXIDE (1,000 TONS)	27.59	10.63	4.63	.02	1.75		40
41	NITROGEN OXIDES (1,000 TONS)	5.87	3.21	1.02	3.45	3.90		41
42	STACKS: - TOTAL NO.	1	3	2	3	9		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	206.00	150.00	164.00	121.00 128.00	104.00 142.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	85.70	44.20	10.00				45
46	SOLD (1,000 TONS)[11]							46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)		28.00	47.60				50
51	ELECTROSTATIC PRECIPITATORS ($1,000)							51
52	COMBINATION PRECIPITATORS ($1,000)[14]	2,216.00	2,200.00	1,400.00				52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	107.00	83.00	64.46	35.00	142.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	95.87	310.00	24.80				55
56	REVENUES FROM SALE OF ASH ($1,000)							56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)		1.00					58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	95.86	310.00	24.80				59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)		3.00					60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	R CUMBERLAND	R KENTUCKY	R MISSISSIPPI	W	W		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	355.00	230.00	5.00	5.66	4.77		62
63	AVERAGE RATE OF DISCHARGE (CFS)	351.00	227.00	5.00		1.36		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	3.05 4.00	3.00	.04	4.40	3.41		64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	JUL JAN	JUL DEC		JUN EE8		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT CIVERSION, SUMMER - WINTER	90.00 63.00	77.00 48.00	90.00 50.00				66
67	AT OUTFALL, SUMMER - WINTER			35,000.00				67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER			40,000.00				68
69	- WINTER							69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	C	H				70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.51	.57	.20	8.70 .77	11.00 .97		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP			7.00	6.13	3.95		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	1.75	.55					73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	4.25	1.10					74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	.28	.37	1.48	4.44	7.00		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES YES	YES YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT	ST	ST	ST	ST		77
78	RECEIVING WATER BODY	R CUMBERLAND		R MISSISSIPPI				78
79	POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING	7.40		8.30				79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			22.00				80
81	VOLUME (1,000 CUBT/YR), BOILER BLOWDOWN - ASH SETTLING		52,000.00	3,942.00				81
82								82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	2 320.85		2 62.50				83
84	ONCE THROUGH COOLING (SALINE)							84
85	COOLING PONDS(S)		4 194.00					85
86	COOLING TOWERS(S)				3 265.80	8 385.00		86
87	COMBINATIONS[21]							87
88	COOLING SYSTEM, YEAR OF INSTALLATION: LOWEST SYSTEM - NEWEST SYSTEM	1964 1968	1958	1959 1967	1960 1966	1951 1972		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	10.00	15.00	12.20 26.90	21.10 28.20	13.40 30.00		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	322.00	339.60	109.00	257.00	536.00		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	355.00	340.00	109.00				91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	3,188.00	1,585.00	140.00				92
93	COOLING PONDS ($1,000)							93
94	COOLING TOWERS ($1,000)				753.00	532.00		94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)			16.50	399.00	454.00		95
96	COST OF CHEMICAL ADDITIVES ($1,000)			3.08	27.60	21.50		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)			11.25	30.80	18.10		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	20.02		6.82	18.30	12.70		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	ELECTRIC ENERGY INC.	EMPIRE DIST. ELECTRIC CO.	EMPIRE DIST. ELECTRIC CO.	FITCHBURG GAS & ELECTRIC CO	FLORIDA POWER CORP.		
NAME OF PLANT	JOPPA	RIVERTON	ASBURY	FITCHBURG	ANCLOTE		
UTILITY-PLANT CODE	145500-0100	149000-0300	149000-0400	164000-0100	165500-0050		
STATE	ILLINOIS	KANSAS	MISSOURI	MASSACHUSETTS	FLORIDA		
COUNTY	MASSAC	CHEROKEE	JASPER	WORCESTER	PASCO		
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	072 05	098 11	139 1(	118 01	052 03		
PLANT CAPACITY (MW(	1,100.25	155.00	200.00	35.45	556.20		
ANNUAL GENERATION (MWH)[3]	6,906,600	451,560	1,292,000	20,000	2,991,700		
PLANT HEAT RATE (BTU/KWH)[3]	10,231	15,176	10,434	15,775	9,359		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	3,122.24	143.55	657.64				
AVERAGE HEAT CONTENT (BTU/LB)	11,303	11,993	10,168				
AVERAGE SULFUR CONTENT (%)	2.76	4.01	4.73				
AVERAGE ASH CONTENT (%)	10.87	12.31	20.23				
AVERAGE MOISTURE CONTENT (%)	10.87		6.09				
OIL: CONSUMPTION (1,000 BARRELS(	13.70	5.53	2.79	35.05	4,462.70		
AVERAGE HEAT CONTENT (BTU/GAL)	137,000	156,634	145,600	143,424	149,415		
AVERAGE SULFUR CONTENT (%)	.10	1.63	.10	.93	2.40		
GAS: CONSUMPTION (1,000 MCF)		3,255.10		101.30			
AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,036		1,020			

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	6	20	1	2	1		
- NO. OF WET BOTTOM			1				
- NO. WITH FLY ASH REINJECTION							
- NO. WITH MECHANICAL PRECIPITATORS		2		1			
- NO. WITH ELECTROSTATIC PRECIPITATORS	6		1				
- NO. WITH COMBINATION PRECIPITATORS[4]							
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	18.00	17.00 35.00	13.00	18.00 20.00	3.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		85.00		44.00			
TESTED, LOW - HIGH		85.10 85.30					
ESTIMATED, LOW - HIGH		85.00					
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	98.60		98.20				
TESTED, LOW - HIGH	98.60 98.90		76.00				
EST., LOW - HIGH	98.60						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	4.04	2.25	4.14	.01	.75		
SULFUR DIOXIDE (1,000 TONS(	168.91	11.31	60.97	.11	35.93		
NITROGEN OXIDES (1,000 TONS(	28.13	1.83	18.09	.10	9.84		
STACKS: - TOTAL NO.	3	4	1	2	1		
- HEIGHT (FEET), LOWEST - HIGHEST[8]	250.00 120.00	250.00	400.00	116.00 129.50	499.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							
TOTAL ASH: COLLECTED (1,000 TONS)[10]	333.80	15.20	165.00		.20		
SOLD (1,000 TONS)[11]	1.90		9.20		.20		
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000(		145.91					
ELECTROSTATIC PRECIPITATORS ($1,000)	11,700.00		561.96				
COMBINATION PRECIPITATORS ($1,000)[4]							
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)	756.00	143.87	401.15	46.03	1,833.00		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000(	294.90	20.40	88.70		5.90		
REVENUES FROM SALE OF ASH ($1,000(	1.40		.90		63.20		
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000(							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	366.80	20.40	88.70		5.90		
TOTAL BYPRODUCT SALES REVENUES ($1,000)	1.40		.90		63.20		

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE[2]	R OHIO	R SPRING	W	M	R ANCLOTE		
AVERAGE RATE OF WITHDRAWAL (CFS)	839.10	162.60	4.00		1,787.00		
AVERAGE RATE OF DISCHARGE (CFS)	839.10	161.00			1,787.00		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	7.20	1.40 1.60	4.00		15.37		
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUN DEC	AUG DEC		JUN DEC	AUG DEC		
MAX. TEMP. DURING PEAK MONTH (DEG. F.(: AT DIVERSION, SUMMER - WINTER	80.00 50.00	85.70 50.80			92.00 69.00		
AT OUTFALL, SUMMER - WINTER	105.00 75.00	93.20 56.40		130.00 130.00	96.00 74.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	231,000.00	537.00		8,000.00			
- WINTER	313,000.00	1,189.00		15,000.00			
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	H		O	C		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	6.88	.14	.40	.25	.20		
CAUSTIC SODA (TONS(, COOLING WATER - BOILER MAKEUP	130.03	.17	.36	1.55 1.85	44.10		
LIME (TONS(, COOLING WATER - BOILER MAKEUP		18.05					
ALUM (TONS(, COOLING WATER - BOILER MAKEUP							
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	58.00	5.40	17.10	.30			
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES YES	YES YES	YES YES	YES YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT	SW		PS	OT		
RECEIVING WATER BODY	R OHIO	R SPRING					
POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING	8.97	9.95 7.90	5.90		6.50		
SUSPENDED SOLIDS (PPM(, BOILER BLOWDOWN - ASH SETTLING	10.20	184.00 200.00			200.00		
VOLUME (1,000 CUFT/YR(, BOILER BLOWDOWN		80.65			10.00		
- ASH SETTLING	342,000.00						

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	6 542.64	7 156.50			1 556.20		
ONCE THROUGH COOLING (SALINE)							
COOLING POND(S)							
COOLING TOWER(S)			1 200.00	2 35.50			
COMBINATIONS[21]							
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1953 1955	1909 1954	1970	1949 1966	1974		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F(, SMALLEST - LARGEST[22]	24.00	14.00 18.00	23.00	10.00 20.00	11.00		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS(	456.60	377.87	213.00	89.00	1,036.00		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,100.00	418.00			1,036.00		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000(	9,470.00	161.24			8,956.00		
COOLING PONDS ($1,000)							
COOLING TOWERS ($1,000)		23.99	513.05	232.00			

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	138.10	13.34	45.80	8.90			
COST OF CHEMICAL ADDITIVES ($1,000)	12.50	4.43	61.60	2.30	2.10		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	82.50	22.89	17.50	1.60	67.00		
COST OF CHEMICAL ADDITIVES ($1,000)	94.80	11.53	11.60	2.10	37.00		

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	FLORIDA POWER CORP.	FLORIDA POWER CORP.	FLORIDA POWER CORP.	FLORIDA POWER CORP.	FLORIDA POWER CORP.	
4 NAME OF PLANT	AVON PARK	CRYSTAL RIVER	TURNER	HIGGINS	BARTOW	
5 UTILITY-PLANT CODE	165500-0100	165500-0300	165500-0400	165500-0500	165500-0800	
6 STATE	FLORIDA	FLORIDA	FLORIDA	FLORIDA	FLORIDA	
7 COUNTY	HIGHLANDS	CITRUS	VOLUSIA	PINELLAS	PINELLAS	
8 AIR QUALITY CONTROL REGION NO. 1/ - WATER RESOURCE REGION NO. 2/	051 03	052 03	048 03	052 03	052 03	
9 PLANT CAPACITY (MW)	46.00	964.30	189.10	138.00	494.40	
10 ANNUAL GENERATION (MWH) 3/	151,500	5,318,500	899,600	609,500	2,731,500	
11 PLANT HEAT RATE (BTU/KWH) 3/	12,220	9,466	11,057	11,956	9,964	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)						
13 AVERAGE HEAT CONTENT (BTU/LB)						
14 AVERAGE SULFUR CONTENT (%)						
15 AVERAGE ASH CONTENT (%)						
16 AVERAGE MOISTURE CONTENT (%)						
17 OIL: CONSUMPTION (1,000 BARRELS)	51.00	8,033.70	652.80	551.40	3,368.40	
18 AVERAGE HEAT CONTENT (BTU/GAL)	149,230	149,219	147,976	148,750	149,153	
19 AVERAGE SULFUR CONTENT (%)	2.30	2.40	2.50	2.40	2.30	
20 GAS: CONSUMPTION (1,000 MCF)	1,486.20		5,682.60	3,724.20	5,912.10	
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,031		1,036	1,032	1,035	

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	3	2	5	3	3	
23 - NO. OF WET BOTTOM						
24 - NO. WITH FLY ASH REINJECTION						
25 - NO. WITH MECHANICAL PRECIPITATORS						
26 - NO. WITH ELECTROSTATIC PRECIPITATORS		1				
27 - NO. WITH COMBINATION PRECIPITATORS 4/						
28 - NO. WITH DESULFURIZATION SYSTEMS						
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER 5/	15.00 20.00	15.00 25.00	10.00 18.00	20.00	2.50 7.00	
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
31 TESTED, LOW - HIGH						
32 ESTIMATED, LOW - HIGH						
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY 6/: DESIGN, LOW - HIGH						
34 TESTED, LOW - HIGH						
35 EST., LOW - HIGH						
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
37 TESTED, LOW - HIGH						
38 ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS 7/: PARTICULATE MATTER (1,000 TONS)	.01	1.35	.11	.09	.57	
40 SULFUR DIOXIDE (1,000 TONS)	.39	64.69	5.48	4.44	25.99	
41 NITROGEN OXIDES (1,000 TONS)	.40	17.71	2.55	1.94	8.58	
42 STACKS: - TOTAL NO.	3	2	6	3	3	
43 - HEIGHT (FEET), LOWEST - HIGHEST 8/	149.00 196.00	499.00	150.00 237.00	174.00	300.00	
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS) 9/					.42	
45 TOTAL ASH: COLLECTED (1,000 TONS) 10/		.70	.02	.01	.20	
46 SOLD (1,000 TONS) 11/		.70	.02	.01	.20	
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS) 12/						
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
51 ELECTROSTATIC PRECIPITATORS ($1,000)		750.00				
52 COMBINATION PRECIPITATORS ($1,000) 4/						
53 DESULFURIZATION SYSTEMS ($1,000)						
54 STACKS ($1,000)	48.00	1,194.00	141.00	52.00	480.00	
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		40.00	.50	3.00	5.50	
56 REVENUES FROM SALE OF ASH ($1,000)		211.90	6.10	4.40	41.60	
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) 13/		40.00	.50	3.00	5.50	
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)		211.90	6.10	4.40	41.60	

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	L LOTELA	O GULF OF MEXICO	L MONROE	O TAMPA BAY	O TAMPA BAY	
62 AVERAGE RATE OF WITHDRAWAL (CFS)	73.50	1,230.00	216.00	280.00	800.00	
63 AVERAGE RATE OF DISCHARGE (CFS)	73.50	1,230.00	216.00	280.00	800.00	
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED 14/	.63	10.58	1.86	2.41	6.88	
65 PEAK LOAD MONTH : SUMMER - WINTER 15/	AUG OEC	AUG OEC	AUG OEC	AUG OEC	AUG OEC	
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	90.00 72.00	89.00 67.00	86.00 72.00	91.00 72.00	90.00 70.00	
67 AT OUTFALL, SUMMER - WINTER	99.00 81.00	96.00 74.00	107.00 85.00	103.00 82.00	99.00 79.00	
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER						
69 - WINTER						
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O 16/	O	O	O	O	O	
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.11	.28	.65	.26	.66	
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.28	133.56	27.29	3.47	135.45	
73 LIME (TONS), COOLING WATER - BOILER MAKEUP		176.46				
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP						
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP						
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP 17/	YES YES	YES YES	YES YES	YES YES	YES YES	
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT 18/	ST	OT	ST	ST		
78 19/ RECEIVING WATER BODY						
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	6.50			6.50	5.50	
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	200.00			200.00	200.00	
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
82 - ASH SETTLING						

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING 20/: ONCE THROUGH COOLING (FRESH)	2 61.00		4 201.50			
84 ONCE THROUGH COOLING (SALINE)						
85 COOLING POND(S)		2 964.30		3 138.00	3 494.40	
86 COOLING TOWER(S)						
87 COMBINATIONS 21/						
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1928 1952	1966 1969	1926 1959	1951 1954	1958 1963	
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST 22/	10.00	12.00 14.00	12.00	12.00	10.00 12.00	
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	166.00	1,420.00	319.00	351.00	869.00	
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	166.00	1,420.00	319.00	351.00	869.00	

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)	465.00	5,872.00	674.00	916.00	3,913.00	
93 COOLING PONDS ($1,000)						
94 COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	.90	3.00		5.00	1.00	
96 COST OF CHEMICAL ADDITIVES ($1,000)	.20	37.00	2.00	4.40	47.60	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	11.00	100.00	20.00	15.00	30.00	
98 COST OF CHEMICAL ADDITIVES ($1,000)	.40	156.70	15.20	2.70	91.70	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	1	FLORIDA POWER CORP.	FLORIDA POWER & LIGHT CO.	FLORIDA POWER & LIGHT CO.	FLORIDA POWER & LIGHT CO.	FLORIDA POWER & LIGHT CO.	1
	2						2
	3						3
NAME OF PLANT	4	SUWANNEE	CAPE CANAVERAL	CUTLER	FORT MYERS	LAUDERDALE	4
UTILITY-PLANT CODE	5	166500-0900	166500-0100	166500-0200	166500-0400	166500-0500	5
STATE	6	FLORIDA	FLORIDA	FLORIDA	FLORIDA	FLORIDA	6
COUNTY	7	SUWANNEE	BREVARD	DADE	LEE	BROWARD	7
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	8	049 03	048 03	059 03	051 03	050 03	8
PLANT CAPACITY (MW)	9	147.00	804.78	351.50	558.80	312.50	9
ANNUAL GENERATION (MWH)[3]	10	782,000	4,755,800	558,600	2,636,800	1,238,500	10
PLANT HEAT RATE (BTU/KWH)[4]	11	11,389	9,749	12,633	10,262	10,545	11

AIR QUALITY CONTROL DATA

. FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	12							12
AVERAGE HEAT CONTENT (BTU/LB)	13							13
AVERAGE SULFUR CONTENT (%)	14							14
AVERAGE ASH CONTENT (%)	15							15
AVERAGE MOISTURE CONTENT (%)	16							16
OIL: CONSUMPTION (1,000 BARRELS)	17	1,108.20	4,534.00	216.30	4,331.00	1,029.60		17
AVERAGE HEAT CONTENT (BTU/GAL)	18	148,487	146,743	146,118	148,332	145,692		18
AVERAGE SULFUR CONTENT (%)	19	2.50	.88	.93	.88	.89		19
GAS: CONSUMPTION (1,000 MCF)	20	1,941.70	18,542.00	5,738.30		6,768.30		20
AVERAGE HEAT CONTENT (BTU/CU.FT.)	21	1,027	1,000	1,000		1,000		21

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	22	3	2	4	2	2		22
- NO. OF WET BOTTOM	23							23
- NO. WITH FLY ASH REINJECTION	24		2	4	1			24
- NO. WITH MECHANICAL PRECIPITATORS	25		2	4	1			25
- NO. WITH ELECTROSTATIC PRECIPITATORS	26							26
- NO. WITH COMBINATION PRECIPITATORS[4]	27							27
- NO. WITH DESULFURIZATION SYSTEMS	28							28
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	29	18.00	10.00	10.00 20.00	10.00 14.00	30.00		29
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30		84.00	88.00	84.00			30
TESTED, LOW - HIGH	31							31
ESTIMATED, LOW - HIGH	32		84.00	88.00	84.00			32
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	33							33
TESTED, LOW - HIGH	34							34
EST., LOW - HIGH	35							35
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36							36
TESTED, LOW - HIGH	37							37
ESTIMATED, LOW - HIGH	38							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	39	.19	.12		.27	.17		39
SULFUR DIOXIDE (1,000 TONS)	40	9.30	13.39	.67	12.79	3.07		40
NITROGEN OXIDES (1,000 TONS)	41	2.82	13.61	1.60	5.55	3.59		41
STACKS: - TOTAL NO.	42	3	2	3	2	2		42
- HEIGHT (FEET), LOWEST - HIGHEST[8]	43	110.00 135.00	397.00	150.00	302.00 407.00	151.00		43
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	44							44
TOTAL ASH: COLLECTED (1,000 TONS)[10]	45	.10	.30					45
SOLD (1,000 TONS)[11]	46	.10	.30					46
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47							47
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]	48							48
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49							49
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50		366.10	309.60				50
ELECTROSTATIC PRECIPITATORS ($1,000)	51							51
COMBINATION PRECIPITATORS ($1,000)[4]	52							52
DESULFURIZATION SYSTEMS ($1,000)	53							53
STACKS ($1,000)	54	71.00	839.60	195.90	188.30			54
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55	1.00	31.30	10.80	44.80	3.90		55
REVENUES FROM SALE OF ASH ($1,000)	56	5.00	3.50		3.30	3.30		56
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57							57
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58							58
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	59	1.00	31.30	10.80	44.80	3.90		59
TOTAL BYPRODUCT SALES REVENUES ($1,000)	60	5.00	3.50		3.30	3.30		60

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	61	R SUWANNEE	R INDIAN	O BISCAYNE BAY	R CALOOSAHATCHEE	O DANIA CUTOFF C		61
AVERAGE RATE OF WITHDRAWAL (CFS)	62	216.00	1,011.20	161.40	679.34	485.00		62
AVERAGE RATE OF DISCHARGE (CFS)	63	216.00	1,011.20	161.40	679.34	485.00		63
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	64	1.86	8.70	1.39	5.84	4.17		64
PEAK LOAD MONTH : SUMMER - WINTER[15]	65	AUG OEC	AUG OEC	AUG OEC	AUG OEC	AUG OEC		65
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66	78.00 64.00	92.00 74.00	96.00 86.00	92.00 76.00	94.00 80.00		66
AT OUTFALL, SUMMER - WINTER	67	90.00 75.00	108.00 90.00	111.00 95.00	105.00 87.00	104.00 91.00		67
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	68	6,429.00			842.48			68
- WINTER	69	6,429.00			770.90			69
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	70	O	C		C			70
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71	.08	.46	.76	2.08	.29		71
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72	.05	114.18	87.41	273.37	71.21		72
LIME (TONS), COOLING WATER - BOILER MAKEUP	73		64.92	48.70	20.43	31.92		73
ALUM (TONS), COOLING WATER - BOILER MAKEUP	74	1.86	9.99		1.97	.03		74
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75		55.62 1.74	.73 .64	13.10 .42	24.10 2.60		75
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	76	YES	YES YES	YES YES	YES YES	YES		76
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	77	ST	ST	ST	ST	ST		77
RECEIVING WATER BODY	78							78
POND DISCHARGES[19]: PH, BOILER BLOWDOWN - ASH SETTLING	79	6.50	8.00	7.50	7.50	7.50		79
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80	200.00	15.00					80
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	81	33.50						81
- ASH SETTLING	82		2,345.00	673.00	2,270.38	250.90		82

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	83	3 147.00			2 558.30	2 312.50		83
ONCE THROUGH COOLING (SALINE)	84		2 804.10	4 351.50				84
COOLING PONDS(S)	85							85
COOLING TOWER(S)	86							86
COMBINATION[21]	87							87
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88	1953 1956	1965 1969	1949 1955	1958 1969	1957 1958		88
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST[22] - LARGEST	89	12.00 14.00	14.10	14.90 18.10	11.20 14.10	13.20		89
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90	268.00	1,226.00	484.30	868.00	516.00		90
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91	268.00	1,280.00	504.50	906.00	532.00		91

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	92	1,254.00	1,849.30	2,134.80	1,016.60		92
COOLING PONDS ($1,000)	93						93
COOLING TOWERS ($1,000)	94						94

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	95		59.80	62.80	40.30	33.80	95
COST OF CHEMICAL ADDITIVES ($1,000)	96		13.40	.70	3.60	5.60	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	97	20.00	77.70	126.40	2.50	30.20	97
COST OF CHEMICAL ADDITIVES ($1,000)	98	4.60	29.80	25.20	65.80	16.80	98

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	FLORIDA POWER & LIGHT CO.	FLORIDA POWER & LIGHT CO.	FLORIDA POWER & LIGHT CO.	FLORIDA POWER & LIGHT CO.	FLORIDA POWER & LIGHT CO.	1
2						2
3						3
4 NAME OF PLANT	PORT EVERGLADES	PALATKA	RIVIERA	SANFORD NEW	TURKEY POINT	4
5 UTILITY-PLANT CODE	166500-0900	166500-1000	166500-1100	166500-1200	166500-1300	5
6 STATE	FLORIDA	FLORIDA	FLORIDA	FLORIDA	FLORIDA	6
7 COUNTY	BROWARD	PUTNAM	PALM BEACH	VOLUSIA	DADE	7
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	050 03	049 03	050 03	048 03	050 03	8
9 PLANT CAPACITY (MW)	1,254.60	109.60	739.59	1,029.05	2,337.79	9
10 ANNUAL GENERATION (MWH)[3]	6,570,400	422,400	3,439,000	3,567,500	4,478,500	10
11 PLANT HEAT RATE (BTU/KWH)[3]	10,052	11,679	10,376	10,227	9,872	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)						12
13 AVERAGE HEAT CONTENT (BTU/LB)						13
14 AVERAGE SULFUR CONTENT (%)						14
15 AVERAGE ASH CONTENT (%)						15
16 AVERAGE MOISTURE CONTENT (%)						16
17 OIL: CONSUMPTION (1,000 BARRELS)	6,518.00	135.70	3,139.00	5,176.00	5,177.00	17
18 AVERAGE HEAT CONTENT (BTU/GAL)	147,264	145,352	145,976	146,384	147,033	18
19 AVERAGE SULFUR CONTENT (%)	.85	.99	.95	.94	.90	19
20 GAS: CONSUMPTION (1,000 MCF)	25,743.00	4,104.30	16,441.00	4,673.00	12,240.00	20
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,000	1,000	1,000	1,000	1,000	21

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	4	2	5	3	2	22
23 - NO. OF WET BOTTOM						23
24 - NO. WITH FLY ASH REINJECTION	4		3	2	2	24
25 - NO. WITH MECHANICAL PRECIPITATORS	4		5	2	2	25
26 - NO. WITH ELECTROSTATIC PRECIPITATORS						26
27 - NO. WITH COMBINATION PRECIPITATORS[4]						27
28 - NO. WITH DESULFURIZATION SYSTEMS						28
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00	10.00	10.00 15.00	10.00 14.00	10.00	29
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	85.00 88.00		78.50 88.00		84.00	30
31 TESTED, LOW - HIGH						31
32 ESTIMATED, LOW - HIGH	85.00 88.00		78.50 88.00	84.00	84.00	32
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH						33
34 TESTED, LOW - HIGH						34
35 EST., LOW - HIGH						35
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37 TESTED, LOW - HIGH						37
38 ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.14	.02	.06	.16	.14	39
40 SULFUR DIOXIDE (1,000 TONS)	16.59	.45	10.00	16.32	15.63	40
41 NITROGEN OXIDES (1,000 TONS)	19.39	1.10	10.13	12.32	13.80	41
42 STACKS: - TOTAL NO.	4	1	4	3	2	42
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	343.00 344.00	150.00	150.00 298.00	302.00 400.00	400.00	43
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	.03				.10	44
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]	.10				.10	45
46 SOLD (1,000 TONS)[11]	.10					46
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	767.90		325.60	600.00		50
51 ELECTROSTATIC PRECIPITATORS ($1,000)						51
52 COMBINATION PRECIPITATORS ($1,000)[4]						52
53 DESULFURIZATION SYSTEMS ($1,000)						53
54 STACKS ($1,000)	1,347.50	35.20	458.40	1,462.30		54
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	108.70	15.10	16.00	27.30	45.85	55
56 REVENUES FROM SALE OF ASH ($1,000)	5.50					56
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	108.70	15.10	16.00	27.30	45.85	59
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)	5.50					60

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	O INTRCSTL WTRWY	R ST JOHN'S	L WORTH	R ST JOHN'S	O CARO SOUND	61
62 AVERAGE RATE OF WITHDRAWAL (CFS)	1,618.00	142.40	844.50	150.00		62
63 AVERAGE RATE OF DISCHARGE (CFS)	1,618.00	142.40	844.50	159.00		63
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]				3.00		64
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	13.91	1.22	7.26			65
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	AUG DEC	AUG DEC	AUG DEC	AUG DEC	AUG DEC	66
67 AT OUTFALL, SUMMER - WINTER	90.00 79.00	91.00	90.00 78.00	93.70 69.00	94.00 81.00	67
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	104.00 93.00	111.00	105.00 96.00	107.00 80.30	112.00 110.00	68
69 - WINTER						69
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]		C			C	70
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.70	.31	.89	.83	.49	71
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	445.69	.01	111.93	178.43	529.60	72
73 LIME (TONS), COOLING WATER - BOILER MAKEUP		4.08			220.00	73
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP		.67				74
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	6.67 .18	4.91 .26	8.89 .26	30.91 .63	2.07	75
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES YES	76
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	ST	ST	ST	ST	77
78 [19] RECEIVING WATER BODY						78
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	7.50			9.70 7.60	7.50	79
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING				18.00		80
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN				347.00		81
82 - ASH SETTLING	800.00			4,867.00	600.00	82

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		2 109.50		1 156.25		83
84 ONCE THROUGH COOLING (SALINE)	4 1,254.60		4 739.54			84
85 COOLING PONDS[5]				2 872.20	4 2,323.82	85
86 COOLING TOWERS[5]						86
87 COMBINATIONS[21]						87
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1960 1965	1951 1956	1946 1963	1959 1972	1967 1973	88
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	13.10 14.10	13.30 18.00	10.30 17.00	11.40 15.30	14.10 16.05	89
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,940.00	186.00	1,130.00	1,350.40	4,006.00	90
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,994.00	200.00	1,130.00	266.00		91

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)	5,170.60	620.30	5,093.80	720.90		92
93 COOLING PONDS ($1,000)				4,347.00		93
94 COOLING TOWERS ($1,000)						94

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	88.20	22.10	35.60	76.10	1,450.00	95
96 COST OF CHEMICAL ADDITIVES ($1,000)	1.60	1.20	2.10	0.60	1.40	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	66.10	19.10	54.50	114.50	48.20	97
98 COST OF CHEMICAL ADDITIVES ($1,000)	94.00	1.90	20.00	55.20	140.00	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	CITY OF FORT PIERCE	FRANKFORT CITY LT & PWR	FREMONT DEPT OF UTILS	GAINESVILLE, CITY OF	GAINESVILLE, CITY OF	
NAME OF PLANT	KING	FRANKFORT	WRIGHT	KELLY	DEERHAVEN	
UTILITY-PLANT CODE	169500-0100	171500-0100	174500-0100	176000-0100	176000-0200	
STATE	FLORIDA	INDIANA	NEBRASKA	FLORIDA	FLORIDA	
COUNTY	SAINT LUCIE	CLINTON	DODGE	ALACHUA	ALACHUA	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	050 03	084 05	146 10	049 03	049 03	
PLANT CAPACITY (MW)	68.00	32.50	44.00	110.25	81.00	
ANNUAL GENERATION (MWH)[3]	266,000	61,000	180,000	173,000	474,000	
PLANT HEAT RATE (BTU/KWH)[3]	11,540	18,261	10,653	12,760	10,151	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)		48.30	36.80			
AVERAGE HEAT CONTENT (BTU/LB)		11,395	10,300			
AVERAGE SULFUR CONTENT (%)		2.90	.70			
AVERAGE ASH CONTENT (%)		8.00	7.00			
AVERAGE MOISTURE CONTENT (%)			12.50			
OIL: CONSUMPTION (1,000 BARRELS)	515.29	.50		328.90	601.26	
AVERAGE HEAT CONTENT (BTU/GAL)	147,829	137,000		151,682	151,840	
AVERAGE SULFUR CONTENT (%)	2.01	.10		2.19	2.13	
GAS: CONSUMPTION (1,000 MCF)	494.30	10.27	1,159.53	10,815	1,070.50	
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,044	1,000	1,000	1,055	1,043	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	4	3	2	5	1			
- NO. OF WET BOTTOM			2					
- NO. WITH FLY ASH REINJECTION								
- NO. WITH MECHANICAL PRECIPITATORS	2	3	2					
- NO. WITH ELECTROSTATIC PRECIPITATORS								
- NO. WITH COMBINATION PRECIPITATORS[4]								
- NO. WITH DESULFURIZATION SYSTEMS								
- EXCESS AIR USED (%). LOWEST BOILER - HIGHEST BOILER[5]	12.00 15.00	30.00 32.00	20.00	10.00 14.00	7.00			
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	86.00 91.00	86.00 94.00	81.00					
TESTED, LOW - HIGH								
ESTIMATED, LOW - HIGH		80.00 83.00	70.00					
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH								
TESTED, LOW - HIGH								
EST., LOW - HIGH								
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH								
TESTED, LOW - HIGH								
ESTIMATED, LOW - HIGH								

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.01	.04	.50	.05	.10	
SULFUR OIDXIDE (1,000 TONS)	3.47	2.53	.50	2.36	4.30	
NITROGEN OXIDES (1,000 TONS)	1.23	.33	.77	.73	1.54	
STACKS: - TOTAL NO.	3	3	2	3	1	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	148.00	120.00	176.00	120.00 200.00	300.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]	.03	4.05	.97			
SOLD (1,000 TONS)[11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000)[14]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	37.00			180.00	202.35	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		26.60	15.00			
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[15]		26.60	15.00			
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE :	R INDIAN	M	W	M	O GROUNDWATER	
AVERAGE RATE OF WITHDRAWAL (CFS)	175.00	.62	24.00		2.06	
AVERAGE RATE OF DISCHARGE (CFS)	173.00	.11	24.00		.74	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.51 2.00	.51	.21		1.32	
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC	AUG DEC			
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	87.00 69.00	88.00 36.00	56.00 56.00			
AT OUTFALL, SUMMER - WINTER	98.00 78.00	96.00 38.00	86.00 86.00			
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		3.00	33.40			
- WINTER		4.00	24.50			
FREQUENCY OF TEMPERATURE MONITORING: C, M, O, D[16]	H	O	H	D	U	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP			.02	.10	.10	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	34.90	.30	10.00	3.00	16.86	
LIME (TONS), COOLING WATER - BOILER MAKEUP						
ALUM (TONS), COOLING WATER - BOILER MAKEUP						
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP[17]	17.30	2.00	5.00		11.00	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES	YES YES	YES	YES	YES YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	PS	PS	PS	ST	
RECEIVING WATER BODY[19]			R ELKHORN			
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING			9.00			
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			50.00			
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING			200.00			

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)			2 43.80			
ONCE THROUGH COOLING (SALINE)	4 62.00					
COOLING POND(S)						
COOLING TOWER(S)		3 32.50		5 110.25	1 75.00	
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1948 1968	1946 1962	1957 1963	1948 1965	1971	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	8.20 8.90	10.00	20.00	15.20 17.50	17.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	242.00	87.60	47.00	220.91	124.77	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	242.00					

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)			59.80			
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)				379.49	368.85	

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)		45.00	24.00			
COST OF CHEMICAL ADDITIVES ($1,000)	3.90	27.80	6.00	6.40	26.10	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)		21.00	20.00			
COST OF CHEMICAL ADDITIVES ($1,000)	9.50	8.41	8.90	5.90	4.20	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	GARLAND MUNICIPAL UTILITIES	GARLAND MUNICIPAL UTILITIES	GEORGIA POWER CO.	GEORGIA POWER CO.	GEORGIA POWER CO.	
NAME OF PLANT	NEWMAN	OLINGER	ARKWRIGHT	ATKINSON	HAMMOND	
UTILITY-PLANT CODE	177500-0100	177500-0300	179000-0100	179000-0200	179000-0900	
STATE	TEXAS	TEXAS	GEORGIA	GEORGIA	GEORGIA	
COUNTY	DALLAS	COLLIN	8188	CO88	FLOYD	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	215 12	215 12	054 03	056 03	055 03	
PLANT CAPACITY (MW)	96.50	188.60	181.00	258.00	953.00	
ANNUAL GENERATION (MWH)[3]	280,000	783,000	1,035,300	1,461,600	3,466,400	
PLANT HEAT RATE (BTU/KWH)[3]	12,846	10,683	12,461	13,862	10,608	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)			253.74		1,593.54	
AVERAGE HEAT CONTENT (BTU/LB)			11,606		11,566	
AVERAGE SULFUR CONTENT (%)			1.72		2.46	
AVERAGE ASH CONTENT (%)			14.75		11.28	
AVERAGE MOISTURE CONTENT (%)			6.42		9.39	
OIL: CONSUMPTION (1,000 BARRELS)	10.84	3.43		731.19	10.23	
AVERAGE HEAT CONTENT (BTU/GAL)	144,000	144,000		140,500	137,000	
AVERAGE SULFUR CONTENT (%)	.40	.40		.10	.10	
GAS: CONSUMPTION (1,000 MCF)	3,472.80	8,302.40	6,885.87	15,512.11		
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,018	1,013	1,028	1,028		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	5	2	4	4	4	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS						
- NO. WITH ELECTROSTATIC PRECIPITATORS						
- NO. WITH COMBINATION PRECIPITATORS[4]			4		4	
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]						
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	7.00 8.00	8.00	22.00		18.00 23.00	
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH						
TESTED, LOW - HIGH			99.00		98.00 98.70	
EST., LOW - HIGH			98.30 99.20		97.10 97.70	
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH			99.00		97.00 97.50	
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)			.39			
SULFUR DIOXIDE (1,000 TONS)	.01		8.55	.11	4.09	
NITROGEN OXIDES (1,000 TONS)	.70	1.63	3.60	.21	76.84	
STACKS: - TOTAL NO.	5	2	4	4.43	14.34	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	60.00 70.00	81.00 128.60	144.00 586.00	5 180.00	3 200.00 500.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]			39.30		177.00	
SOLD (1,000 TONS)[11]			16.10			
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)			4,783.00		3,612.00	
COMBINATION PRECIPITATORS ($1,000)[4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)						
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	66.00	65.40	2,114.00	20.00	1,476.00	
REVENUES FROM SALE OF ASH ($1,000)			247.00		280.00	
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)			1.60			
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]						
TOTAL BYPRODUCT SALES REVENUES ($1,000)			247.00		280.00	
			1.60			

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	M	L LAVON	R OCMULGEE	R CHATTAHOOCHEE	R COOSA	
AVERAGE RATE OF WITHDRAWAL (CFS)	.88	239.90	257.00	668.00	561.00	
AVERAGE RATE OF DISCHARGE (CFS)		239.62	257.00	668.00	561.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.88	2.00 1.14	2.21	5.74	4.82	
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC	AUG DEC	AUG DEC	AUG DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER		95.00 60.00	84.00 68.00	72.00 45.00	82.00 57.00	
AT OUTFALL, SUMMER - WINTER		108.00 69.00	100.00 78.00	87.00 55.00	90.00 65.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		284.00	3,400.00		2,734.00	
- WINTER		49.00	3,700.00		6,200.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	C			C	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.09	.09	.05	.60	.08	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.02	.22	.09	.81	259.33	
LIME (TONS), COOLING WATER - BOILER MAKEUP		2.34				
ALUM (TONS), COOLING WATER - BOILER MAKEUP					44.01	
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	1.75	5.37	5.00	53.00	1.11	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES	YES	YES	9.00 YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]			ST	ST	OT	
RECEIVING WATER BODY[19]					R COOSA	
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING			78.00	8.90	8.90 10.00	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			12.00		9.60	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN					313.59	
- ASH SETTLING			39,000.00		331,818.22	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		2 188.64	4 181.00	4 240.00	4 953.00	
ONCE THROUGH COOLING (SALINE)						
COOLING PONDS						
COOLING TOWERS	5 94.40					
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1957 1963	1971	1941 1948	1930 1948	1954 1970	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	12.00 14.50	12.00 17.00	13.00	13.00 21.00	10.00 26.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	207.10	290.00	348.00	646.00	847.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		303.20	352.00		847.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)		485.00	202.00	1,001.00	1,364.00	
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)	407.80					

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	32.70	42.80	43.00	177.00	294.00	
COST OF CHEMICAL ADDITIVES ($1,000)	12.62	.66	7.00	15.00	3.00	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	22.50	15.80	38.00	93.00	283.00	
COST OF CHEMICAL ADDITIVES ($1,000)	3.60	3.12	7.00	19.00	62.00	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	GEORGIA POWER CO.	GEORGIA POWER CO.	GEORGIA POWER CO.	GEORGIA POWER CO.	GEORGIA POWER CO.	1
2						2
3						3
4 NAME OF PLANT	HARLLEE BRANCH	MCDONOUGH	MCMANUS	MITCHELL	YATES	4
5 UTILITY-PLANT CODE	179000-1000	179000-1100	179000-1500	179000-2500	179000-2600	5
6 STATE	GEORGIA	GEORGIA	GEORGIA	GEORGIA	GEORGIA	6
7 COUNTY	PUTNAM	COBB	GLYNN	DOUGHERTY	COWETA	7
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	054 03	056 03	049 03	059 03	056 03	8
9 PLANT CAPACITY (MW)	1,746.00	598.00	144.00	218.00	1,487.00	9
10 ANNUAL GENERATION (MWH)[3]	5,491,200	2,396,100	564,400	882,200	6,477,500	10
11 PLANT HEAT RATE (BTU/KWH)[3]	10,018	9,923	11,240	11,415	10,495	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)	2,358.03	801.75		409.81	2,793.19	12
13 AVERAGE HEAT CONTENT (BTU/LB)	11,643	11,824		12,287	11,723	13
14 AVERAGE SULFUR CONTENT (%)	1.15	1.60		1.21	1.85	14
15 AVERAGE ASH CONTENT (%)	13.79	12.09		12.04	13.46	15
16 AVERAGE MOISTURE CONTENT (%)	6.87	7.43		5.33	6.70	16
17 OIL: CONSUMPTION (1,000 BARRELS)			1,022.50			17
18 AVERAGE HEAT CONTENT (BTU/GAL)			147,718			18
19 AVERAGE SULFUR CONTENT (%)			1.93			19
20 GAS: CONSUMPTION (1,000 MCF)		4,483.85			2,024.81	20
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,028			1,028	21

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	4	2	2	3	7	22
23 - NO. OF WET BOTTOM						23
24 - NO. WITH FLY ASH REINJECTION			2			24
25 - NO. WITH MECHANICAL PRECIPITATORS						25
26 - NO. WITH ELECTROSTATIC PRECIPITATORS	4	2	2	3	7	26
27 - NO. WITH COMBINATION PRECIPITATORS[4]						27
28 - NO. WITH OFSULFURIZATION SYSTEMS						28
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	18.00 20.00	18.00	14.00	18.00 20.00	18.00 20.00	29
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						30
31 TESTED, LOW - HIGH						31
32 ESTIMATED, LOW - HIGH						32
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	98.00 98.50	99.00	98.00	99.00	98.30 99.00	33
34 TESTED, LOW - HIGH	95.60 98.50	99.30 99.50			98.00 99.70	34
35 EST., LOW - HIGH				98.00 99.70	95.00 98.00	35
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37 TESTED, LOW - HIGH						37
38 ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	7.00	.49		.29	10.30	39
40 SULFUR DIOXIDE (1,000 TONS)	53.15	25.14	6.62	9.72	101.32	40
41 NITROGEN OXIDES (1,000 TONS)	21.22	8.09	2.26	3.69	26.77	41
42 STACKS: - TOTAL NO.	5	4	1	2	2	42
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	300.00 1,000.00	229.00	185.00	115.00 211.00	800.00 825.00	43
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]	325.00	100.01		49.10	358.00	45
46 SOLD (1,000 TONS)[11]		45.54				46
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						50
51 ELECTROSTATIC PRECIPITATORS ($1,000)	2,149.00	6,992.00	616.00	1,915.00	8,701.00	51
52 COMBINATION PRECIPITATORS ($1,000)[4]						52
53 OFSULFURIZATION SYSTEMS ($1,000)						53
54 STACKS ($1,000)	9,805.00	220.00	87.00	99.00	11,025.00	54
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	725.00	1,159.00	14.00	243.00	1,590.00	55
56 REVENUES FROM SALE OF ASH ($1,000)		13.00				56
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	725.00	1,159.00	14.00	248.00	1,601.00	59
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)		13.00				60

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	L SINCLAIR	R CHATTAHOOCHEE	R TURTLE	R FLINT	R CHATTAHOOCHEE	61
62 AVERAGE RATE OF WITHDRAWAL (CFS)	1,113.00	608.00	225.00	210.00	195.00	62
63 AVERAGE RATE OF DISCHARGE (CFS)	1,113.00	608.00	225.00	209.50	187.00	63
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	9.57	5.23	1.94	1.81 .50	8.00	64
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC	AUG DEC	AUG DEC	AUG DEC	65
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	86.00 52.00	72.00 45.00	90.00 58.00	84.00 58.00	88.00 61.00	66
67 AT OUTFALL, SUMMER - WINTER	98.00 80.00	88.00 55.00	106.00 80.00	110.00 92.00	91.00 82.00	67
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	1,129.00					68
69 - WINTER	800.00					69
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	C				H	70
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP			.06	.05	.75	71
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	355.94		.23	.13	726.00	72
73 LIME (TONS), COOLING WATER - BOILER MAKEUP			10.93		12.00	73
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP	134.50				150.58	74
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	16.00 4.05	47.00	130.00		120.00 2.00	75
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES	76
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	SW	OT	ST	ST	ST	77
78 [19] RECEIVING WATER BODY	L SINCLAIR	R CHATTAHOOCHEE			R CHATTAHOOCHEE	78
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	9.40	8.90 4.50		6.50	8.00	79
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	15.00	5.00		28.00	15.00	80
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						81
82 - ASH SETTLING	440,200.00	145,900.00		134,000.00	171,000.00	82

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	4 1,746.00	2 450.00		3 217.00	5 550.00	83
84 ONCE THROUGH COOLING (SALINE)			2 115.00			84
85 COOLING PONDS(S)						85
86 COOLING TOWER(S)					2 700.00	86
87 COMBINATIONS[21]						87
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1965 1969	1963 1964	1952 1959	1948 1964	1950 1974	88
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	16.70 18.50	17.00	14.50 14.90	16.00 16.00	15.00 25.00	89
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,763.00	608.00	216.00	312.00	1,141.00	90
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,763.00	304.00	216.00	312.00	878.00	91

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)	2,747.00	1,281.00	666.00	532.00	1,115.00	92
93 COOLING PONDS ($1,000)						93
94 COOLING TOWERS ($1,000)					5,490.00	94

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	164.00	355.00	97.00	100.00	194.00	95
96 COST OF CHEMICAL ADDITIVES ($1,000)	3.00	13.00	38.00	1.00	191.00	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	228.00	252.00	53.00	75.00	555.00	97
98 COST OF CHEMICAL ADDITIVES ($1,000)	414.00	34.00	14.00	1.00	36.00	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	GEORGIA POWER CO.	GLENDALE PUBLIC SERVICE DEPT.	GOLDEN VALLEY ELECTRIC ASSN	GRAND ISLAND WTR & LIGHT DEPT	GRAND RIVER DAM AUTHORITY	
2					LIGHT DEPT.		
3					BURDICK		
4	NAME OF PLANT	BOWEN	GRAYSON	HEALY	187500-0100	CHOUTEAU	
5	UTILITY-PLANT CODE	179000-2800	182500-0100	183000-0200	NEBRASKA	188500-0100	
6	STATE	GEORGIA	CALIFORNIA	ALASKA	HALL	OKLAHOMA	
7	COUNTY	BARTOW	LOS ANGELES	FAIRBANKS		MAYES	
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	055 03	024 18	009 21	146 10	166 18	
9	PLANT CAPACITY (MW)	3,499.00	164.00	25.00	92.50	56.25	
10	ANNUAL GENERATION (MWH)[3]	10,010,000	546,300	193,600	240,000	89,000	
11	PLANT HEAT RATE (BTU/KWH)[3]	9,874	9,108	12,381	12,596	53,047	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	4,258.90		141.92			12
13	AVERAGE HEAT CONTENT (BTU/LB)	11,589		8,398			13
14	AVERAGE SULFUR CONTENT (%)	2.23		.21			14
15	AVERAGE ASH CONTENT (%)	10.86		9.66			15
16	AVERAGE MOISTURE CONTENT (%)	10.05		22.67			16
17	OIL: CONSUMPTION (1,000 BARRELS)		638.00	1.37	152.27		17
18	AVERAGE HEAT CONTENT (BTU/GAL)		148,035	135,747	150,000		18
19	AVERAGE SULFUR CONTENT (%)		.46	.03	.90		19
20	GAS: CONSUMPTION (1,000 MCF)		950.00		2,194.50	4,606.00	20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,062		940	1,025	21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	4	6	1	3	6	22
23	- NO. OF WET BOTTOM			1			23
24	- NO. WITH FLY ASH REINJECTION						24
25	- NO. WITH MECHANICAL PRECIPITATORS		1	1			25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	4					26
27	- NO. WITH COMBINATION PRECIPITATORS[4]						27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	18.00	10.00 15.00	22.40	7.00	20.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		98.00	86.00			30
31	TESTED, LOW - HIGH			78.70			31
32	ESTIMATED, LOW - HIGH			70.00			32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	98.00 99.00					33
34	TESTED, LOW - HIGH	99.50					34
35	EST., LOW - HIGH	98.50 99.00					35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	4.97	.08	2.67	.03		39
40	SULFUR DIOXIDE (1,000 TONS)	186.14	.98	.58	.46		40
41	NITROGEN OXIDES (1,000 TONS)	38.33	1.59	2.13	.76	.58	41
42	STACKS: - TOTAL NO.	2	6	1	3	6	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	1,000.00	60.00 100.00	110.00	111.50	150.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	456.79		9.60			45
46	SOLD (1,000 TONS)[11]	38.98					46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	10,643.00		28.00			51
52	COMBINATION PRECIPITATORS ($1,000)[4]						52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)	10,724.00		20.40	57.00	78.00	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	1,100.84		43.00			55
56	REVENUES FROM SALE OF ASH ($1,000)	9.75					56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	1,112.84		44.00			59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	9.75					60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE[C]	R ETOWAH	W	R NENANA	W	R GRAND	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	67.79	2.50	21.60	7.89	1.08	62
63	AVERAGE RATE OF DISCHARGE (CFS)	21.00		21.30	7.89	.59	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	46.79	2.50	.19 .30		.49	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC		JUL DEC		AUG DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT CIV MSION, SUMMER - WINTER			35.00 33.00		112.00 80.00	66
67	AT OUTFALL, SUMMER - WINTER			85.00 86.00		99.00 64.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER			10,000.00		.59	68
69	- WINTER			400.00		.59	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	C	C	C	H	C	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.10	8.16 .03	.05	.03	3.74	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	1,772.35	13.89		16.56	444.51	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	22.50				1.54 7.53	73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	199.45				4.38 21.24	74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP[17]	166.00	14.76		1.51	1.51 6.77	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES	YES YES	YES YES	YES YES	YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT		OT		OT	77
78	[19]/RECEIVING WATER BODY	O ASH DISPOSAL P		R NENANA		C PRYOR	78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	10.50		7.30			79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	10.00					80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						81
82	- ASH SETTLING			8.64			82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)			1 25.00	2 38.50		83
84	ONCE THROUGH COOLING (SALINE)						84
85	COOLING POND(S)					2 12.50	85
86	COOLING TOWER(S)					2 31.25	86
87	COMBINATIONS[21]	4 3,499.00	5 164.00		1 54.00		87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1971 1975	1941 1964	1967	1957 1972	1942 1950	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	25.00	15.00	25.00	17.00 35.00	16.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	2,460.00	286.00	30.50	146.30	77.32	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)			30.50			91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)			368.00			92
93	COOLING PONDS ($1,000)						93
94	COOLING TOWERS ($1,000)	18,907.00	1,275.00		300.00		94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	70.00		6.59	36.00		95
96	COST OF CHEMICAL ADDITIVES ($1,000)		28.00	.39	13.00		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	255.00		9.89	18.00		97
98	COST OF CHEMICAL ADDITIVES ($1,000)		3.00	.58	4.00		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	GREENVILLE, CITY OF ELEC DEPT	GREENWOOD UTILS	GULF POWER CO.	GULF POWER CO.	GULF POWER CO.
NAME OF PLANT	GREENVILLE	HENDERSON	CRIST	SCHOLTZ	SMITH
UTILITY-PLANT CODE	191750-0100	192500-0100	195000-0100	195000-0200	195000-0300
STATE	TEXAS	MISSISSIPPI	FLORIDA	FLORIDA	FLORIDA
COUNTY	HUNT	LEFLORE	ESCAMBIA	JACKSON	BAY
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	215 12	134 08	005 03	005 03	005 03
PLANT CAPACITY (MW)	51.50	31.50	1,229.00	98.00	380.00
ANNUAL GENERATION (MWH)[3]	183,000	120,000	3,659,300	443,100	1,912,900
PLANT HEAT RATE (BTU/KWH)[3]	13,199	15,359	11,362	12,390	10,271

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)		38.24	1,279.30	217.20	681.50
AVERAGE HEAT CONTENT (BTU/LB)		12,368	11,754	12,428	11,358
AVERAGE SULFUR CONTENT (%)		2.85	2.92	1.90	1.91
AVERAGE ASH CONTENT (%)		8.07	10.95	11.61	11.71
AVERAGE MOISTURE CONTENT (%)		7.42	8.17	6.26	9.88
OIL: CONSUMPTION (1,000 BARRELS)	3.10		68.06		
AVERAGE HEAT CONTENT (BTU/GAL)	138,000		150,000		
AVERAGE SULFUR CONTENT (%)	.10		2.80		
GAS: CONSUMPTION (1,000 MCF)	2,343.00	893.10	11,028.68		
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,023	1,000	1,000		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	2	7	2	2
- NO. OF WET BOTTOM					
- NO. WITH FLY ASH REINJECTION		2			
- NO. WITH MECHANICAL PRECIPITATORS		2			
- NO. WITH ELECTROSTATIC PRECIPITATORS			4		2
- NO. WITH COMBINATION PRECIPITATORS[4]				2	
- NO. WITH DESULFURIZATION SYSTEMS					
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	8.00	28.50 30.00	10.00 18.00	25.00	18.00
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		90.80 92.00			
TESTED, LOW - HIGH		90.80 92.00			
ESTIMATED, LOW - HIGH		90.00			
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH			98.00 98.20	99.50	98.00
TESTED, LOW - HIGH					
EST., LOW - HIGH			98.50 99.00	99.50	97.90 98.60
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH				90.00	
TESTED, LOW - HIGH					
ESTIMATED, LOW - HIGH					

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)		.48	1.38	.11	1.20
SULFUR DIOXIDE (1,000 TONS)		2.14	73.86	8.09	25.51
NITROGEN OXIDES (1,000 TONS)	.43	.46	13.75	1.95	0.13
STACKS: - TOTAL NO.	2	1	4	1	1
- HEIGHT (FEET), LOWEST - HIGHEST[8]	78.00 96.00	187.00	125.00 450.00	150.00	200.00
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]					
TOTAL ASH: COLLECTED (1,000 TONS)[10]		3.10	139.70	25.10	78.70
SOLD (1,000 TONS)[11]					
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)					
EQUIVALENT OF AC10 COLLECTED (1,000 TONS)[12]					
ELEMENTAL AND EQUIVALENT OF AC10 SOLD (1,000 TONS)					
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)					
ELECTROSTATIC PRECIPITATORS ($1,000)			3,865.00		589.00
COMBINATION PRECIPITATORS ($1,000)[4]				2,800.30	
DESULFURIZATION SYSTEMS ($1,000)				4,860.10	
STACKS ($1,000)	96.00	38.37	766.90	58.10	1,075.00
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		28.70	789.60	56.40	145.60
REVENUES FROM SALE OF ASH ($1,000)					
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)					
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)					
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		28.70	1,266.80	96.10	239.00
TOTAL BYPRODUCT SALES REVENUES ($1,000)					

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	M	W	R ESCAMBIA	R APALACHICOLA	O NORTH BAY
AVERAGE RATE OF WITHDRAWAL (CFS)	76.00	15.30	384.00	174.00	346.00
AVERAGE RATE OF DISCHARGE (CFS)	76.00	15.30	380.00	174.00	346.00
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.65			1.50	2.98
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG JAN	JUL JAN	AUG DEC	AUG DEC	AUG DEC
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT GIVERSION, SUMMER - WINTER	90.00 50.00	67.00 67.00	83.00 59.00	87.00 58.00	85.00 62.00
AT OUTFALL, SUMMER - WINTER	105.00 59.00	88.00 86.00	103.00 76.00	102.00 76.00	107.00 79.00
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	94.00		23,600.00	29,100.00	
- WINTER	54.00		8,350.00	21,400.00	
FREQUENCY OF TEMPERATURE MONITORING: C, M, O, Q[16]	M		C	M	C
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.08	.11	2.20	.05	.25
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	9.40	.03	2,498.15	.03	25.10
LIME (TONS), COOLING WATER - BOILER MAKEUP					
ALUM (TONS), COOLING WATER - BOILER MAKEUP					
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	16.00		24.00	.15	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES		YES YES	YES YES	YES YES
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	PS	OT	OT	ST
RECEIVING WATER BODY					
POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING			7.50	7.00	7.50
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			100.00	100.00	100.00
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN					
- ASH SETTLING			181,950.45	168.00	68,000.00

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	2 43.00	1 11.50		2 98.00	
ONCE THROUGH COOLING (SALINE)					2 340.00
COOLING PONDS					
COOLING TOWERS		1 20.00	2 948.00		
COMBINATIONS[21]			5 281.26		
COOLING SYSTEM, YEAR OF INSTALLATION: LOWEST SYSTEM - NEWEST SYSTEM	1965 1969	1959 1967	1945 1973	1953	1965 1967
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	10.00	18.00	13.00 31.00	12.40	16.00 19.40
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	93.57	77.31	1,104.00	192.00	403.00
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	93.50	32.75	449.00		423.00

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)			921.60		10,695.00
COOLING PONDS ($1,000)					
COOLING TOWERS ($1,000)		100.00	7,044.00		

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	2.60	6.00	52.30	8.10	61.00
COST OF CHEMICAL ADDITIVES ($1,000)	.10		67.80	.20	41.90

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	6.40	1.50	45.50	15.00	7.80
COST OF CHEMICAL ADDITIVES ($1,000)	2.50	.80	7.40	2.00	15.40

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1 NAME OF UTILITY	GULF STATES UTILITIES CO.	GULF STATES UTILITIES CO.	GULF STATES UTILITIES CO.	GULF STATES UTILITIES CO.	GULF STATES UTILITIES CO.	
4 NAME OF PLANT	LOUISIANA #1	LOUISIANA #2	NECHES	NELSON	SABINE	
5 UTILITY-PLANT CODE	195500-0100	195500-0200	195500-0300	195500-0400	195500-0500	
6 STATE	LOUISIANA	LOUISIANA	TEXAS	LOUISIANA	TEXAS	
7 COUNTY	EAST BATON ROUGE	EAST BATON ROUGE	JEEFERSON	CALCASIEU	ORANGE	
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	106 08	106 08	106 12	106 08	106 12	
9 PLANT CAPACITY (MW)	256.50	175.00	452.27	982.27	1,543.60	
10 ANNUAL GENERATION (MWH)[3]	1,210,000	1,099,400	2,223,400	2,876,500	7,862,200	
11 PLANT HEAT RATE (BTU/KWH)[3]	10,663	13,657	11,565	10,550	10,291	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)						
13 AVERAGE HEAT CONTENT (BTU/LB)						
14 AVERAGE SULFUR CONTENT (%)						
15 AVERAGE ASH CONTENT (%)						
16 AVERAGE MOISTURE CONTENT (%)						
17 OIL: CONSUMPTION (1,000 BARRELS)	1.20		11.20	520.20	3.40	
18 AVERAGE HEAT CONTENT (BTU/GAL)	148,199		143,791	138,837	134,994	
19 AVERAGE SULFUR CONTENT (%)	1.10		.30	.20	.20	
20 GAS: CONSUMPTION (1,000 MCF)	31,896.00	14,059.00	24,971.00	25,081.00	79,147.00	
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,163	1,068	1,027	1,089	1,022	

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	11	3	6	4	4	
23 - NO. OF WET BOTTOM						
24 - NO. WITH FLY ASH REINJECTION						
25 - NO. WITH MECHANICAL PRECIPITATORS						
26 - NO. WITH ELECTROSTATIC PRECIPITATORS						
27 - NO. WITH COMBINATION PRECIPITATORS[4]						
28 - NO. WITH DESULFURIZATION SYSTEMS						
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]						
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	10.00	10.00	15.00	7.00 10.00	2.00	
31 TESTED, LOW - HIGH						
32 ESTIMATED, LOW - HIGH						
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH						
34 TESTED, LOW - HIGH						
35 EST., LOW - HIGH						
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
37 TESTED, LOW - HIGH						
38 ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)				.09		
40 SULFUR DIOXIDE (1,000 TONS)			.01	.35		
41 NITROGEN OXIDES (1,000 TONS)	6.22	2.74	4.89	6.04	15.44	
42 STACKS: - TOTAL NO.	11	3	8	9	7	
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	150.50 167.00	150.00 179.00	138.00 225.00	165.00 217.00	148.50 200.00	
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]						
46 SOLD (1,000 TONS)[11]						
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
51 ELECTROSTATIC PRECIPITATORS ($1,000)						
52 COMBINATION PRECIPITATORS ($1,000)[4]						
53 DESULFURIZATION SYSTEMS ($1,000)						
54 STACKS ($1,000)						
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)						
56 REVENUES FROM SALE OF ASH ($1,000)						
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]						
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE[14]	O BOILER BLWDOWN	W	R NECHES	W	R SABINE	
62 AVERAGE RATE OF WITHDRAWAL (CFS)	1.72	4.92	338.73	12.10	1,382.00	
63 AVERAGE RATE OF DISCHARGE (CFS)	.48	.66	333.64	3.93	1,382.00	
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.24	4.27	7.24	8.16	11.89 6.44	
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG NOV	AUG NOV	AUG NOV		AUG NOV	
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	90.00 64.00	90.00 64.00	86.00 64.00		98.00 90.00	
67 AT OUTFALL, SUMMER - WINTER	100.00 93.00	100.00 93.00	96.00 77.00		103.00 95.00	
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	470,000.00	470,000.00	358.70		1,786.70	
69 - WINTER	740,000.00	740,000.00	260.60		1,347.30	
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	O	O	C	O	C	
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	3.25	.75	2.00	.53	3.60	
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	837.43	14.72	140.06		3.55	
73 LIME (TONS), COOLING WATER - BOILER MAKEUP	871.80					
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP						
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP[17]	3.50	3.50	80.00	34.00	.33	
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES YES	YES	YES	
77 SEWAGE DISPOSAL: METHOD RS, ST, SW, OT[18]	OT	OT	OT	OT	ST	
78 [19] RECEIVING WATER BODY	R MISSISSIPRI	R MISSISSIPRI	R NECHES	R HOUSTON	R NECHES	
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		9.70				
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN		17,500.00				
82 - ASH SETTLING						

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)			4 225.00			
84 ONCE THROUGH COOLING (SALINE)					4 1,543.60	
85 COOLING POND(S)						
86 COOLING TOWER(S)	3 60.00	3 175.00	2 227.28	4 982.28		
87 COMBINATIONS[21]						
88 COOLING SYSTEM, YEAR OF INSTALLATION: LOWEST SYSTEM - NEWEST SYSTEM	1938 1943	1950 1953	1937 1958	1959 1970	1962 1974	
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	19.00	13.97 14.98	11.00 12.00	19.00 20.00	10.00 16.00	
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	100.26	262.90	612.40	934.00	1,545.90	
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)			363.60		1,616.50	

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)			362.00		649.00	
93 COOLING PONDS ($1,000)						
94 COOLING TOWERS ($1,000)	423.00	2,838.00	934.00	7,974.00		

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)						
96 COST OF CHEMICAL ADDITIVES ($1,000)	20.00	.50	4.50 34.00	0.50 17.00	3.60 43.00	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	174.00	21.00	38.00	36.00	25.00	
98 COST OF CHEMICAL ADDITIVES ($1,000)	363.00	8.00	43.00	85.00	117.00	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	GULF STATES UTILITIES CO.	GULF STATES UTILITIES CO.	HAMILTON MUNC. ELECTRIC PLT.	HASTINGS UTILS	HAWAIIAN ELECTRIC CO. INC.	
NAME OF PLANT	WILLOW GLEN	LEWIS CREEK	HAMILTON	NORTH DENVER	HONOLULU	
UTILITY-PLANT CODE	195500-0600	195500-0700	197500-0100	200500-0100	201500-0100	
STATE	LOUISIANA	TEXAS	OHIO	NEBRASKA	HAWAII	
COUNTY	IBERVILLE	MONTGOMERY	BUTLER	ADAMS	HONOLULU	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	106 08	216 12	079 05	146 10	060 22	
PLANT CAPACITY (MW)	1,586.15	542.88	123.00	50.00	168.15	
ANNUAL GENERATION (MWH)[3]	3,628,400	2,950,700	259,000	124,000	201,100	
PLANT HEAT RATE (BTU/KWH)[3]	10,462	10,241	14,696	13,450	13,181	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)			111.68			
AVERAGE HEAT CONTENT (BTU/LB)			12,930			
AVERAGE SULFUR CONTENT (%)			.83			
AVERAGE ASH CONTENT (%)			10.15			
AVERAGE MOISTURE CONTENT (%)			3.02			
OIL: CONSUMPTION (1,000 BARRELS)	778.20	31.50	65.56	44.20	432.00	
AVERAGE HEAT CONTENT (BTU/GAL)	142,881	135,954	138,500	148,000	145,933	
AVERAGE SULFUR CONTENT (%)	.50	.10	.15	.80	.35	
GAS: CONSUMPTION (1,000 MCF)	30,710.00	29,220.00	525.10	1,482.00		
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,084	1,025	1,000	949		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	4	2	6	4	5	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS			4			
- NO. WITH ELECTROSTATIC PRECIPITATORS			1			
- NO. WITH COMBINATION PRECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	7.00 10.00	10.00	3.00 25.00		13.00 20.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			88.00 97.00			
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH			70.00 85.00			
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH			99.00			
TESTED, LOW - HIGH						
EST., LOW - HIGH			99.00			
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.13	.01	1.53	.01	.07	
SULFUR DIOXIDE (1,000 TONS)	1.30	.01	1.85	.12	.51	
NITROGEN OXIDES (1,000 TONS)	7.66	5.77	1.19	.39	.95	
STACKS: - TOTAL NO.	8	2	6	4	4	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	196.60 210.00	189.00	78.00 260.00	123.00 138.00	141.00 161.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]			11.20			
SOLD (1,000 TONS)[11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			140.00			
ELECTROSTATIC PRECIPITATORS ($1,000)			2,000.00			
COMBINATION PRECIPITATORS ($1,000)[4]						
CENTRIFUGAL/FABRIC FILTER SYSTEMS ($1,000)						
STACKS ($1,000)	202.20		273.00	56.00	143.83	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)			12.00			
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]			12.00			
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	R MISSISSIPPI	R SAN JACINTO	R GREAT MIAMI	O SPRAY POND	O PACIFIC OCEAN	
AVERAGE RATE OF WITHDRAWAL (CFS)	932.08	3.22	52.80	1.30	161.00	
AVERAGE RATE OF DISCHARGE (CFS)	932.08		51.80	1.10	161.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	8.02 6.00	3.22	.45 1.00	1.30	1.38	
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG NOV	AUG NOV	JUL DEC	AUG DEC	JUN OCT	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	90.00 64.00		84.00 46.00		73.00 77.00	
AT OUTFALL, SUMMER - WINTER	104.00 82.00		91.00 65.00	90.00 62.00	85.00 84.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	47,000.00		2,682.00	13.30		
- WINTER	74,000.00		3,521.00	.67		
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C		H	C	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.30	.81	.60	.06	.29	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	29.66	.32	54.45	20.00	.10	
LIME (TONS), COOLING WATER - BOILER MAKEUP						
ALUM (TONS), COOLING WATER - BOILER MAKEUP						
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP		.35	8.60	1.90		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES YES	YES YES	YES	
SEWAGE DISPOSAL: METHOD RS, ST, SW, OT[18]	OT	OT	PS	PS	RS	
RECEIVING WATER BODY[19]	O BAYOU PAUL	L PRIVATE				
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING			8.50			
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			750.00			
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN			900.00			
- ASH SETTLING						

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	4 1,586.16		7 83.50	1 16.50		
ONCE THROUGH COOLING (SALINE)					4 168.15	
COOLING POND(S)		2 542.88		2 12.00		
COOLING TOWER(S)				1 22.00		
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: CLOSEST SYSTEM - NEWEST SYSTEM	1960 1973	1970	1929 1975	1947 1967	1930 1957	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	20.00 22.34	15.00	22.00	10.00	9.40 11.20	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,405.48	798.00	193.00	8.50	462.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,178.48		263.00	15.50	465.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	9,092.00		400.00		1,174.54
COOLING PONDS ($1,000)					
COOLING TOWERS ($1,000)				96.00	

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)			13.00	3.40	29.00
COST OF CHEMICAL ADDITIVES ($1,000)	18.00	6.00	6.00	2.80	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	32.00	10.00	29.00	5.00	16.00
COST OF CHEMICAL ADDITIVES ($1,000)	92.00	24.00	23.00	3.00	19.00

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	HAWAIIAN ELECTRIC CO. INC.	HAWAIIAN ELECTRIC CO. INC.	HENDERSON PWR & LT	HENDERSON PWR & LT	HOLLAND BRD OF PUBLIC WORKS	
4 NAME OF PLANT	KAHE	WAIAU	HENDERSON #1	HENDERSON #2	DEYOUNG	
5 UTILITY-PLANT CODE	201500-0200	201500-0300	204500-0100	204500-0200	212500-0200	
6 STATE	HAWAII	HAWAII	KENTUCKY	KENTUCKY	MICHIGAN	
7 COUNTY	HONOLULU	HONOLULU	HENDERSON	HENDERSON	OTTAWA	
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	060 22	060 22	077 05	077 05	122 04	
9 PLANT CAPACITY (MW)	47+.93	394.50	43.00	300.00	77.25	
10 ANNUAL GENERATION (MWH)[3]	3,067,000	1,515,200	155,679	1,820,355	224,000	
11 PLANT HEAT RATE (BTU/KWH)[3]	9,877	10,833	15,641	10,861	12,506	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)			111.00	962.10	112.80	
13 AVERAGE HEAT CONTENT (BTU/LB)			11,014	10,251	12,404	
14 AVERAGE SULFUR CONTENT (%)			3.92	3.46	3.22	
15 AVERAGE ASH CONTENT (%)			11.61	16.52	7.97	
16 AVERAGE MOISTURE CONTENT (%)			11.18	10.99	7.70	
17 OIL: CONSUMPTION (1,000 BARRELS)	4,800.00	2,666.00		8.11		
18 AVERAGE HEAT CONTENT (BTU/GAL)	150,376	146,255		136,000		
19 AVERAGE SULFUR CONTENT (%)	1.07	.31		.40		
20 GAS: CONSUMPTION (1,000 MCF)					3.10	
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)					1,000	

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	5	8	2	2	5	
23 - NO. OF WET BOTTOM				2	1	
24 - NO. WITH FLY ASH REINJECTION			1			
25 - NO. WITH MECHANICAL PRECIPITATORS			1		2	
26 - NO. WITH ELECTROSTATIC PRECIPITATORS				2		
27 - NO. WITH COMBINATION PRECIPITATORS[4]			1		1	
28 - NO. WITH DESULFURIZATION SYSTEMS						
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	7.00 8.00	7.00 15.00	40.00	18.00	1.50 3.00	
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			92.50		86.00	
31 TESTED, LOW - HIGH			93.80		80.00 86.00	
32 ESTIMATED, LOW - HIGH			93.80		80.00 86.00	
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH			98.50	99.00	97.00	
34 TESTED, LOW - HIGH			98.50		97.00	
35 EST., LOW - HIGH			98.50	99.50		
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
37 TESTED, LOW - HIGH						
38 ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.81	.45	.41	.52	.48	
40 SULFUR DIOXIDE (1,000 TONS)	17.23	2.77	8.53	65.26	7.12	
41 NITROGEN OXIDES (1,000 TONS)	10.58	5.88	.83	14.45	1.46	
42 STACKS: - TOTAL NO.	5	8	2	1	5	
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	148.00 304.00	115.00 138.00	150.00	350.00	86.00 200.00	
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]	.20	.15	11.80	158.11	18.00	
46 SOLD (1,000 TONS)[11]						
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			25.00			
51 ELECTROSTATIC PRECIPITATORS ($1,000)				3,000.00		
52 COMBINATION PRECIPITATORS ($1,000)[4]			75.00		150.00	
53 DESULFURIZATION SYSTEMS ($1,000)						
54 STACKS ($1,000)	834.93	316.71	26.00	490.00		
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	12.10	14.30	35.00	86.59	26.50	
56 REVENUES FROM SALE OF ASH ($1,000)						
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
58 REVENUES FROM SALE OF SULFUP PRODUCTS ($1,000)						
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	12.10	14.30	38.00	86.59	26.50	
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	O PACIFIC OCEAN	O SPRINGS	R OHIO	R GREEN	R BLACK	
62 AVERAGE RATE OF WITHDRAWAL (CFS)	839.00	574.00	33.00	13.30	52.00	
63 AVERAGE RATE OF DISCHARGE (CFS)	839.00	574.00	31.00		52.00	
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	7.22	4.94	.28 2.00	13.30	.45	
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	JUN OCT	JUN OCT	AUG DEC		JUN DEC	
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	79.00 80.00	78.00 79.00			82.00 32.00	
67 AT OUTFALL, SUMMER - WINTER	88.00 90.00	95.00 89.00	105.00 70.00		94.00 44.00	
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER					52.00	
69 - WINTER					52.00	
70 FREQUENCY OF TEMPERATURE MONITORING: C, M, D, O[16]	C	C	O		H	
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	2.30	.60	.02	.20	.01 .03	
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		.24	.02	218.09	40.00	
73 LIME (TONS), COOLING WATER - BOILER MAKEUP				7.75		
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP				28.95		
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP						
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	83.50 YES	17.00 YES	
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	RS	PS	ST	ST	
78 [19] RECEIVING WATER BODY						
79 POND DISCHARGE: RH, BOILER BLOWDOWN - ASH SETTLING			8.00	10.00		
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			13.00	15.00		
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
82 - ASH SETTLING			8,760.00	.12		

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		2 22.50	2 41.00		5 77.25	
84 ONCE THROUGH COOLING (SALINE)	5 474.93	6 372.00				
85 COOLING POND(S)						
86 COOLING TOWER(S)						
87 COMBINATIONS[21]				2 354.00		
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1963 1974	1938 1968	1955 1968	1973	1940 1969	
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	8.90 11.00	9.70 13.50	15.20 20.00	20.00	12.00 16.24	
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	978.00	849.00	85.00	380.00	174.00	
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	996.00	277.00	145.00		174.00	

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)	8,419.62	1,275.99	745.00			
93 COOLING PONDS ($1,000)						
94 COOLING TOWERS ($1,000)				2,300.00		

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	38.00	60.00	10.00		.50	
96 COST OF CHEMICAL ADDITIVES ($1,000)			1.00	3.10	7.00	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	1.00	60.00	17.00		1.70	
98 COST OF CHEMICAL ADDITIVES ($1,000)	18.00	62.00	9.00	39.77	5.00	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	HOLYOKE GAS & ELECTRIC DEPT.	HOLYOKE WATER POWER CO.	HOLYOKE WATER POWER CO.	INDIANA STATEWIDE REC-HOOSIER EGY	HOUMA, CITY OF	1
2						2
3						3
4 NAME OF PLANT	HOLYOKE	MOUNT TOM	RIVERSIDE	RATTS	HOUMA	4
5 UTILITY-PLANT CODE	213500-0200	214500-0500	214500-0600	216800-0100	218000-0100	5
6 STATE	MASSACHUSETTS	MASSACHUSETTS	MASSACHUSETTS	INDIANA	LOUISIANA	6
7 COUNTY	HAMPDEN	HAMPDEN	HAMPDEN	PIKE	TERREBONNE	7
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	042 01	042 01	042 01	077 05	106 08	8
9 PLANT CAPACITY (MW)	25.50	136.00	39.75	233.20	39.10	9
10 ANNUAL GENERATION (MWH)[3]	4,000	1,007,100	7,000	1,394,500	85,589	10
11 PLANT HEAT RATE (BTU/KWH)[3]	170,816	9,735	16,000	9,969	16,547	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)					655.30		12
13 AVERAGE HEAT CONTENT (BTU/LB)					10,591		13
14 AVERAGE SULFUR CONTENT (%)					3.54		14
15 AVERAGE ASH CONTENT (%)					14.04		15
16 AVERAGE MOISTURE CONTENT (%)					11.69		16
17 OIL: CONSUMPTION (1,000 BARRELS)	83.80	1,600.60	135.70	2.40			17
18 AVERAGE HEAT CONTENT (BTU/GAL)	146,427	145,805	147,078	139,542			18
19 AVERAGE SULFUR CONTENT (%)	.85	.83	.86	.20			19
20 GAS: CONSUMPTION 11,000 MCF)	167.90					1,348.00	20
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,000					1,050	21

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	4	1	4	2	2		22
23 - NO. OF WET BOTTOM							23
24 - NO. WITH FLY ASH REINJECTION							24
25 - NO. WITH MECHANICAL PRECIPITATORS	2		1	2			25
26 - NO. WITH ELECTROSTATIC PRECIPITATORS							26
27 - NO. WITH COMBINATION PRECIPITATORS[4]		1					27
28 - NO. WITH DESULFURIZATION SYSTEMS							28
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00	18.00	15.00 20.00	18.00			29
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	90.00 92.60		65.00	85.00			30
31 TESTED, LOW - HIGH							31
32 ESTIMATED, LOW - HIGH	80.00		65.00	85.00			32
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH		95.00					33
34 TESTED, LOW - HIGH		92.90					34
35 EST., LOW - HIGH		95.00					35
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37 TESTED, LOW - HIGH							37
38 ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.01	.01	.01	11.73			39
40 SULFUR DIOXIDE (1,000 TONS)	.24	4.46	.39	45.47			40
41 NITROGEN OXIDES (1,000 TONS)	.22	3.53	.30	5.90			41
42 STACKS: - TOTAL NO.	2	1	4	2		2	42
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	95.00 225.00	370.00	65.00 97.00	300.00	62.00	64.00	43
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							44
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]		.05		81.00			45
46 SOLD 11,000 TONS)[11]							46
47 TOTAL SULFUR: ELEMENTAL COLLECTED 11,000 TONS)							47
48 EQUIVALENT OF ACID COLLECTED 11,000 TONS)[12]							48
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)				700.00			50
51 ELECTROSTATIC PRECIPITATORS ($1,000)							51
52 COMBINATION PRECIPITATORS ($1,000)[4]		344.00					52
53 DESULFURIZATION SYSTEMS ($1,000)							53
54 STACKS ($1,000)		319.00		334.00		20.00	54
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		21.40	.20	72.00			55
56 REVENUES FROM SALE OF ASH ($),000)							56
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($),000)							58
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	6.50	47.40	8.54	72.00			59
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)							60

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	R CONNECTICUT	R CONNECTICUT	R CONNECTICUT	R WHITE	M		61
62 AVERAGE RATE OF WITHDRAWAL (CFS)	27.00	168.50		260.70			62
63 AVERAGE RATE OF DISCHARGE (CFS)	26.80	168.50		260.60			63
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.23 .20	1.45		2.24 .10			64
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG JAN	JUN OEC	JUN OEC	AUG MAR			65
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	85.00 32.00	81.00 42.00		91.00 48.00			66
67 AT OUTFALL, SUMMER - WINTER	102.00 62.00	96.00 67.00		112.00 69.00			67
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	1,800.00	11,470.00	11,470.00				68
69 - WINTER	60,000.00	15,620.00	15,620.00				69
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	H	H	C			70
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.25	.03	1.50	.10			71
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	53.63	.01	39.00				72
73 LIME (TONS), COOLING WATER - BOILER MAKEUP							73
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP	8.08 8.08	1.50	5.45				74
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP				1.13	1.00		75
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES YES	YES	YES			76
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	ST	PS	ST	PS		77
78 [19] RECEIVING WATER BODY							78
79 PONO DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		6.00		9.00 8.20			79
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		25.00		20.00			80
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN				780.00			81
82 - ASH SETTLING		5,000.00					82

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	3 25.00	1 136.00	3 34.75	2 233.20			83
84 ONCE THROUGH COOLING (SALINE)							84
85 COOLING PONDS)							85
86 COOLING TOWER(S)	1 5.00				2	38.00	86
87 COMBINATIONS[21]							87
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1934 1955	1960	1924 1948	1969	1968	1972	88
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	15.00 20.00	13.00	18.00	14.70			89
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	64.90	204.00	85.60	318.00			90
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	51.10	204.00	85.60	318.00			91

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)	75.00	57.00		1,026.00			92
93 COOLING PONDS ($1,000)							93
94 COOLING TOWERS ($1,000)	30.00						94

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	31.30	57.58		6.00			95
96 COST OF CHEMICAL ADDITIVES ($1,000)	.80	1.95		5.00			96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	27.00	28.15	33.27	6.60			97
98 COST OF CHEMICAL ADDITIVES ($1,000)	15.60	13.74	22.63	15.00			98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	HOUSTON LIGHTING & POWER CO.	HOUSTON LIGHTING & POWER CO.	HOUSTON LIGHTING & POWER CO.	HOUSTON LIGHTING & POWER CO.	HOUSTON LIGHTING & POWER CO.
4	NAME OF PLANT	DEEPWATER	GREEN BAYOU	CLARKE	ROBINSON	BERTRON
5	UTILITY-PLANT CODE	218500-0100	218500-0400	218500-0500	218500-0600	218500-0700
6	STATE	TEXAS	TEXAS	TEXAS	TEXAS	TEXAS
7	COUNTY	HARRIS	HARRIS	HARRIS	GALVESTON	HARRIS
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	216 12	216 12	216 12	216 12	216 12
9	PLANT CAPACITY (MW)	334.85	821.40	210.00	2,314.50	826.30
10	ANNUAL GENERATION (MWHI[3]	968,300	1,678,100	50,000	12,071,000	3,229,100
11	PLANT HEAT RATE (BTU/KWHI[3]	15,449	10,839	16,343	9,856	10,269

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)					
13	AVERAGE HEAT CONTENT (BTU/LB)					
14	AVERAGE SULFUR CONTENT (%)					
15	AVERAGE ASH CONTENT (%)					
16	AVERAGE MOISTURE CONTENT (%)					
17	OIL: CONSUMPTION (1,000 BARRELS)		1.14			7.61
18	AVERAGE HEAT CONTENT (BTU/GAL)		148,427			151,288
19	AVERAGE SULFUR CONTENT (%)		.50			1.10
20	GAS: CONSUMPTION (1,000 MCF)	14,481.35	17,535.22	778.84	115,362.03	32,207.35
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,033	1,037	1,049	1,030	1,028

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.		9		5		4		6		4
23	- NO. OF WET BOTTOM										
24	- NO. WITH FLY ASH REINJECTION										
25	- NO. WITH MECHANICAL PRECIPITATORS										
26	- NO. WITH ELECTROSTATIC PRECIPITATORS										
27	- NO. WITH COMBINATION PRECIPITATORS[4]										
28	- NO. WITH DESULFURIZATION SYSTEMS										
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]										
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	15.00	17.10	7.00	10.00	10.00	13.00	8.00	15.50	14.70	17.10
31	TESTED, LOW - HIGH										
32	ESTIMATED, LOW - HIGH										
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH										
34	TESTED, LOW - HIGH										
35	EST., LOW - HIGH										
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH										
37	TESTED, LOW - HIGH										
38	ESTIMATED, LOW - HIGH										

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)								.03
40	SULFUR DIOXIDE (1,000 TONS)								6.30
41	NITROGEN OXIDES (1,000 TONS)		2.82		3.42		.15		22.50		8
42	STACKS: - TOTAL NO.		4		9		6		8		8
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	167.70	350.00	95.00	270.50	100.90	125.00	176.10	234.80	167.60	177.50
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]										
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]										
46	SOLD (1,000 TONS)[11]										
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)										
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]										
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)										
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)										
51	ELECTROSTATIC PRECIPITATORS ($1,000)										
52	COMBINATION PRECIPITATORS ($1,000)[4]										
53	DESULFURIZATION SYSTEMS ($1,000)										
54	STACKS ($1,000)										
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)										
56	REVENUES FROM SALE OF ASH ($1,000)										
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)										
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)										
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]										
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)										

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE(S)	O HOUSTON SHIP C	L HOUSTON	W	O DICKINSON BAY	O HOUSTON SHIP C
62	AVERAGE RATE OF WITHDRAWAL (CFS)	172.50	4.30	1.20	2,185.70	741.30
63	AVERAGE RATE OF DISCHARGE (CFS)	171.10	1.20	.50	2,031.00	736.60
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.40	3.10	.70	154.70	4.70
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG	AUG	JUN	JUL	AUG
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	87.00			92.00	89.00
67	AT OUTFALL, SUMMER - WINTER	107.00	98.00	92.00	101.00	104.00
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	TIDAL		120.00	TIDAL	TIDAL
69	- WINTER					
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	O	O	C	C
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.01 1.50	.05	.50 .09		.70 .53
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	8.86	367.37	1.25	2,614.08	95.69
73	LIME (TONS), COOLING WATER - BOILER MAKEUP					
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP					
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	1.00	9.00			190.00
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES YES	YES	YES YES	YES YES
77	SEWAGE DISPOSAL: METHOD RS, ST, SW, OT[18]	ST	ST	ST	ST	ST
78	RECEIVING WATER BODY[19]	O HOUSTON SHIP C	O GREENS BAYOU	O SIMS BAYOU	O GALVESTON BAY	O HOUSTON SHIP C
79	POND DISCHARGE: RH, BOILER BLOWDOWN - ASH SETTLING					
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING					
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN					
82	- ASH SETTLING					

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)								
84	ONCE THROUGH COOLING (SALINE)								
85	COOLING POND(S)								
86	COOLING TOWER(S)		5 821.40	4 210.00					
87	COMBINATIONS[21]	6 322.85				4 2,314.50		4 826.30	
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1924 1955	1949 1973	1943 1951		1966 1973		1956 1960	
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	9.20 19.50	15.40 36.10	14.60 16.60		17.25 18.03		14.00 15.00	
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	771.10	872.70	454.00		2,602.16		1,145.00	
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	787.00				2,602.16		1,145.00	

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)						
93	COOLING PONDS ($1,000)						
94	COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)						
96	COST OF CHEMICAL ADDITIVES ($1,000)	.44	27.71	.25	.12	22.75	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)						
98	COST OF CHEMICAL ADDITIVES ($1,000)	20.63	27.57	14.65	188.85	28.96	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	1	HOUSTON LIGHTING & POWER CO.		HOUSTON LIGHTING & POWER CO.		HOUSTON LIGHTING & POWER CO.		HOUSTON LIGHTING & POWER CO.		ILLINOIS POWER CO.		1
2		2											2
3		3											3
4	NAME OF PLANT	4	WHARTON		PARISH		WEBSTER		CEDAR BAYOU		HAVANA		4
5	UTILITY-PLANT CODE	5	218500-0800		218500-0900		218500-1000		218500-1100		222500-0200		5
6	STATE	6	TEXAS		TEXAS		TEXAS		TEXAS		ILLINOIS		6
7	COUNTY	7	HARRIS		FORT BEND		HARRIS		CHAMBERS		MASON		7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	8	216	12	216	12	216	12	216	12	065	07	8
9	PLANT CAPACITY (MW)	9	322.80		1,255.40		614.00		2,295.00		230.00		9
10	ANNUAL GENERATION (MWH)[3]	10	1,452,700		6,026,600		2,157,300		10,921,100		320,900		10
11	PLANT HEAT RATE (BTU/KWH)[3]	11	10,410		9,876		10,388		9,886		11,649		11
	AIR QUALITY CONTROL DATA												
	FUEL CONSUMPTION DATA (ANNUAL)												
12	COAL: CONSUMPTION (1,000 TONS)	12											12
13	AVERAGE HEAT CONTENT (BTU/LB)	13											13
14	AVERAGE SULFUR CONTENT (%)	14											14
15	AVERAGE ASH CONTENT (%)	15											15
16	AVERAGE MOISTURE CONTENT (%)	16											16
17	OIL: CONSUMPTION (1,000 BARRELS)	17			.25		.01		55.31		699.60		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	18			147,350		153,680		148,616		149,667		18
19	AVERAGE SULFUR CONTENT (%)	19			2.30		2.50		.80		.67		19
20	GAS: CONSUMPTION (1,000 MCF)	20	14,656.04		57,595.91		21,768.08		104,366.85				20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	21	1,032		1,033		1,030		1,031				21
	PLANT EQUIPMENT DATA												
22	BOILERS: - TOTAL NO.	22		2		4		3		6		8	22
23	- NO. OF WET BOTTOM	23											23
24	- NO. WITH FLY ASH REINJECTION	24											24
25	- NO. WITH MECHANICAL PRECIPITATORS	25										8	25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26											26
27	- NO. WITH COMBINATION PRECIPITATORS[4]	27											27
28	- NO. WITH DESULFURIZATION SYSTEMS	28											28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	29	15.00	16.70	12.90	14.30	7.00	12.80	8.00	15.10		25.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30										15.00	30
31	TESTED, LOW - HIGH	31											31
32	ESTIMATED, LOW - HIGH	32										15.00	32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	33											33
34	TESTED, LOW - HIGH	34											34
35	EST., LOW - HIGH	35											35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36											36
37	TESTED, LOW - HIGH	37											37
38	ESTIMATED, LOW - HIGH	38											38
	PLANT OPERATING DATA AND COST OF EQUIPMENT												
39	EST. TOTAL ANNUAL PLANT EMMISSIONS: PARTICULATE MATTER (1,000 TONS)	39								.01		.10	39
40	SULFUR DIOXIDE (1,000 TONS)	40								.15		1.57	40
41	NITROGEN OXIDES (1,000 TONS)	41		2.86		11.23		4.24		20.47		1.54	41
42	STACKS: - TOTAL NO.	42		4		7		6		5		3	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	43	140.00	177.50	167.70	182.00	119.75	192.00	212.00	215.50		225.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	44											44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	45										.10	45
46	SOLD (1,000 TONS)[11]	46											46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47											47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]	48											48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49											49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50											50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51											51
52	COMBINATION PRECIPITATORS ($1,000)[4]	52											52
53	DESULFURIZATION SYSTEMS ($1,000)	53											53
54	STACKS ($1,000)	54										287.00	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55										5.80	55
56	REVENUES FROM SALE OF ASH ($1,000)	56											56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57											57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58											58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	59										5.80	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60											60
	WATER QUALITY CONTROL DATA												
61	COOLING WATER: SOURCE :	61	W		L SMITHERS		C CLEAR		U CEDAR BAYOU		R ILLINOIS		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62		8.90		20.60		488.40		1,763.20		568.00	62
63	AVERAGE RATE OF DISCHARGE (CFS)	63		3.20		3.20		485.20		1,746.80		563.00	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	64		5.70		17.40		3.20		16.40	4.88	5.00	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	65	JUL		JUN		JUL		AUG		JUL	DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66					91.00		87.00		86.00	50.00	66
67	AT OUTFALL, SUMMER - WINTER	67	99.00		83.00		106.00		98.00		96.00	58.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	68		23.20			TIDAL		TIDAL			16,978.00	68
69	- WINTER	69										24,877.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	70	C		C		C		C		C		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71		.05		.11		.20	.48			8.54	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72		100.16		166.64		103.60		1,779.86		90.57	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73											73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74											74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75	4.00		240.00		172.00		250.00		6.00		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	76	YES	YES		YES	YES	YES		YES		YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	77	ST		ST		ST		ST		OT		77
78	RECEIVING WATER BODY[19]	78	O GREENS BAYOU		L SMITHERS		L CLEAR		O CEDAR BAYOU		R ILLINOIS		78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	79									10.00	9.00	79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80									15.00	15.00	80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	81										539.00	81
82	- ASH SETTLING	82										16,000.00	82
	COOLING FACILITY DATA												
83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	83									5	230.00	83
84	ONCE THROUGH COOLING (SALINE)	84											84
85	COOLING POND(S)	85											85
86	COOLING TOWER(S)	86	2	322.80									86
87	COMBINATIONS[21]	87			4	1,255.70	3	614.00	3	2,295.00			87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88	1958	1960	1958	1968	1954	1965	1970	1974	1947	1950	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	89	17.72	18.14	14.10	16.50	16.02	16.25		20.00		7.50	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90		383.90		1,663.00		871.21		2,250.00		720.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91						871.21		2,250.00		720.00	91
	CAPITAL COSTS OF COOLING FACILITIES												
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92										2,695.00	92
93	COOLING PONDS ($1,000)	93											93
94	COOLING TOWERS ($1,000)	94											94
	ANNUAL COOLING WATER EXPENSES												
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95										3.50	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96		24.69		5.76		23.10		25.85		1.30	96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES												
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97										32.50	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98		37.74		26.73		30.40		153.68		23.70	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	ILLINOIS POWER CO.	ILLINOIS POWER CO.	ILLINOIS POWER CO.	ILLINOIS POWER CO.	IMPERIAL IRRIGATION DIST.	1
2							2
3							3
4	NAME OF PLANT	HENNEPIN	VERMILION	WOOD RIVER	BALDWIN	EL CENTRO	4
5	UTILITY-PLANT CODE	222500-0300	222500-0600	222500-0700	222500-0800	223000-0700	5
6	STATE	ILLINOIS	ILLINOIS	ILLINOIS	ILLINOIS	CALIFORNIA	6
7	COUNTY	PUTNAM	VERMILION	MADISON	RANDOLPH	IMPERIAL	7
8	AIR QUALITY CONTROL REGION NO. 1/ - WATER RESOURCE REGION NO. 2/	071 07	066 05	070 07	070 07	033 18	8
9	PLANT CAPACITY (MW)	306.25	182.30	650.10	1,892.05	189.10	9
10	ANNUAL GENERATION (MWH) 3/	1,440,400	870,400	2,584,900	8,633,700	556,600	10
11	PLANT HEAT RATE (BTU/KWH) 3/	9,910	11,038	10,612	9,627	11,835	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	676.40	448.80	1,037.20	3,958.60			12
13	AVERAGE HEAT CONTENT (BTU/LB)	10,518	10,722	10,796	10,470			13
14	AVERAGE SULFUR CONTENT (%)	2.86	3.12	2.97	3.03			14
15	AVERAGE ASH CONTENT (%)	10.77	12.79	11.20	11.02			15
16	AVERAGE MOISTURE CONTENT (%)	14.66	12.99	12.22	14.97			16
17	OIL: CONSUMPTION (1,000 BARRELS)		.49	393.80	62.40	428.49		17
18	AVERAGE HEAT CONTENT (BTU/GAL)		136,357	139,947	140,000	158,311		18
19	AVERAGE SULFUR CONTENT (%)		.10	.25	.10	1.45		19
20	GAS: CONSUMPTION (1,000 MCF)	65.60		2,662.80		3,583.59		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,038		1,032		1,054		21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	2	2	5	3	4		22
23	- NO. OF WET BOTTOM				2			23
24	- NO. WITH FLY ASH REINJECTION							24
25	- NO. WITH MECHANICAL PRECIPITATORS			3				25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	2	2	1	3			26
27	- NO. WITH COMBINATION PRECIPITATORS 4/			1				27
28	- NO. WITH DESULFURIZATION SYSTEMS			1				28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER 5/	25.00 31.00	24.00	20.00 25.00	16.00 22.00	12.00 15.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			15.00				30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH			15.00				32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY 6/: DESIGN, LOW - HIGH	99.00 99.50	99.50	99.00 99.67	99.00 99.50			33
34	TESTED, LOW - HIGH	99.10 99.16	99.60 99.70	99.20 99.30	96.60 99.70			34
35	EST., LOW - HIGH	98.00	99.00	99.00	98.30 98.50			35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH			85.00				36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS 7/: PARTICULATE MATTER (1,000 TONS)	1.10	.49	.90	.80	.07		39
40	SULFUR DIOXIDE (1,000 TONS)	37.92	27.45	60.71	235.11	2.08		40
41	NITROGEN OXIDES (1,000 TONS)	6.10	4.04	10.72	90.37	1.64		41
42	STACKS: - TOTAL NO.		1	3	3	4		42
43	- HEIGHT (FEET), LOWEST - HIGHEST 8/	275.00	275.00	250.00 350.00	605.00	99.00 107.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) 9/							44
45	TOTAL ASH: COLLECTED (1,000 TONS) 10/	71.70	56.70	114.80	432.30			45
46	SOLD (1,000 TONS) 11/			15.00	5.80			46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) 12/							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			57.90				50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	4,387.00	2,946.00	2,200.00	8,871.70			51
52	COMBINATION PRECIPITATORS ($1,000) 14/			980.00				52
53	DESULFURIZATION SYSTEMS ($1,000)			8,295.70				53
54	STACKS ($1,000)	307.00	235.00	892.00	4,851.50	53.80		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	112.10	68.70	99.70	121.30			55
56	REVENUES FROM SALE OF ASH ($1,000)			15.90				56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)			105.30				57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)			.30				58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) 13/	112.10	68.70	205.00	121.30			59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)			16.20				60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE C	R ILLINOIS	O RESERVOIR	R MISSISSIPPI	R KASKASKIA	O STORAGE BASINS		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	277.00	3.00	770.00	33.00	2.42		62
63	AVERAGE RATE OF DISCHARGE (CFS)	275.00		763.00	17.80	.15		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED 14/	2.38 2.00	3.00	6.62 7.00	15.20	2.27		64
65	PEAK LOAD MONTH : SUMMER - WINTER 15/	AUG JAN		AUG JAN	JUL DEC	SEP JAN		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	81.00 37.00		85.00 45.00	93.00 51.00	90.00 58.00		66
67	AT OUTFALL, SUMMER - WINTER	100.00 65.00		109.00 59.00	95.00 53.00	116.00 96.00		67
68	AVE. FLOW IN RECEIVING BODY DUPING PEAK MONTH (CFS): SUMMER	10,439.00		128,800.00	6,178.00	.37		68
69	- WINTER	19,735.00		97,180.00	7,134.00	.08		69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O 16/	C		C	C	C		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.29	.95		.50	11.34 .11		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	149.90	178.90	399.50	861.50	.07		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP		165.00 10.00		130.00			73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP		17.90 1.10	105.00	44.55			74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	23.00	20.75 1.25	106.00	96.00	33.54		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP 17/	YES	YES	YES	YES	YES YES		76
77	SEWAGE DISPOSAL: METHOD RS, ST, SW, OT 18/	ST	ST	PS	OT			77
78	19/ RECEIVING WATER BODY				O COOLING POND			78
79	POND DISCHARGE: RH, BOILER BLOWDOWN - ASH SETTLING	8.50	9.50 8.80	9.00 9.00	7.80			79
80	SUSPENDED SOLIDS (RRM), BOILER BLOWDOWN - ASH SETTLING	10.00	20.00 15.00	35.00 15.00	10.00			80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN		120.00	2,800.00				81
82	- ASH SETTLING	49,000.00	54,000.00	260,000.00	374,000.00			82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING 20/: ONCE THROUGH COOLING (FRESH)	2 306.25		5 650.10				83
84	ONCE THROUGH COOLING (SALINE)							84
85	COOLING POND(S)				3 1,892.05			85
86	COOLING TOWER(S)		2 182.30			4 189.10		86
87	COMBINATIONS 21/							87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1953 1959	1955 1956	1949 1964	1970 1975	1949 1968		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST 22/	12.00 16.00	14.00 15.00	6.00 23.00	14.00	15.00 21.00		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	356.10	267.00	912.00	2,160.00	277.50		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	356.10		912.00				91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	2,054.00		3,900.00				92
93	COOLING PONDS ($1,000)				3,000.00			93
94	COOLING TOWERS ($1,000)		2,692.00			1,642.10		94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	4.80	23.70	94.00	42.10	125.51		95
96	COST OF CHEMICAL ADDITIVES ($1,000)	5.40	13.00	14.50	6.80	27.75		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	25.10	24.90	50.20	123.00	45.01		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	23.60	32.90	105.70	80.40	7.62		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	INDIANA & MICHIGAN ELECTRIC CO.	INDIANA & MICHIGAN ELECTRIC CO.	INDIANA & MICHIGAN ELECTRIC CO.	INDIANA & MICHIGAN ELECTRIC CO.	INDIANA-KENTUCKY ELECTRIC CORP.	1
2							2
3							3
4	NAME OF PLANT	BREED	COOK NUCLEAR	TANNERS CREEK	TWIN BRANCH	CLIFTY CREEK	4
5	UTILITY-PLANT CODE	225000-0200	225000-0350	225000-0700	225000-0800	225500-0100	5
6	STATE	INDIANA	MICHIGAN	INDIANA	INDIANA	INDIANA	6
7	COUNTY	SULLIVAN	BERRIEN	DEARBORN	ST. JOSEPH	JEFFERSON	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	084 05	082 04	079 05	082 04	083 05	8
9	PLANT CAPACITY (MW)	450.00	1,089.00	1,098.00	252.50	1,304.00	9
10	ANNUAL GENERATION (MWH)[3]	1,999,700	4,457,836	4,764,400	491,200	9,869,500	10
11	PLANT HEAT RATE (BTU/KWH)[3]	9,569		9,841	11,064	9,007	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	893.70		2,108.70		4,209.00	12
13	AVERAGE HEAT CONTENT (BTU/LB)	10,621		11,070		10,577	13
14	AVERAGE SULFUR CONTENT (%)	3.90		3.71		3.44	14
15	AVERAGE ASH CONTENT (%)	12.17		13.12		12.09	15
16	AVERAGE MOISTURE CONTENT (%)	14.03		10.07		13.80	16
17	OIL: CONSUMPTION (1,000 BARRELS)	3.90		61.50	937.80		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	138,828		135,500	137,945		18
19	AVERAGE SULFUR CONTENT (%)	.10		.10	.10		19
20	GAS: CONSUMPTION (1,000 MCF)						20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)						21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	1		4	3	6	22
23	- NO. OF WET BOTTOM	1		1	1	6	23
24	- NO. WITH FLY ASH REINJECTION						24
25	- NO. WITH MECHANICAL PRECIPITATORS	1		3			25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS			1			26
27	- NO. WITH COMBINATION PRECIPITATORS[4]					6	27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00		20.00	20.00	18.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	80.00		85.00 87.30			30
31	TESTED, LOW - HIGH			50.00 78.30			31
32	ESTIMATED, LOW - HIGH	80.00					32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH			90.00		96.10	33
34	TESTED, LOW - HIGH			71.90			34
35	EST., LOW - HIGH					96.10	35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	2.18		47.73	.16	12.90	39
40	SULFUR DIOXIDE (1,000 TONS)	68.32		151.85	.32	283.79	40
41	NITROGEN OXIDES (1,000 TONS)	24.59		39.19	2.08	63.14	41
42	STACKS: - TOTAL NO.	1		4	3	3	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	550.00		273.00 550.00	269.00	682.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	68.60		213.30		508.00	45
46	SOLD (1,000 TONS)[11]			18.50		25.00	46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						50
51	ELECTROSTATIC PRECIPITATORS ($1,000)			1,004.00			51
52	COMBINATION PRECIPITATORS ($1,000)[4]					3,390.00	52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)			979.00		2,886.00	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	137.20		604.50		1,422.00	55
56	REVENUES FROM SALE OF ASH ($1,000)			9.30		5.00	56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	348.00		604.50	5,194.00	1,663.00	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)			9.30		5.00	60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	R WABASH		L MICHIGAN		R OHIO		R ST. JOSEPH		R OHIO	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	396.91		1,323.00		1,541.00		210.00		2,195.00	62
63	AVERAGE RATE OF DISCHARGE (CFS)	396.86		1,326.69		1,541.00		210.00		2,180.00	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	3.41	.05	11.38	.31	13.25		1.81	18.88	15.00	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG	DEC			AUG	DEC	AUG	DEC	ARR	JAN	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	84.60	59.70	72.00	46.00	86.00	55.00	80.00	47.00	58.00	44.00	66
67	AT OUTFALL, SUMMER - WINTER	99.20	69.70	91.00	66.40	98.00	68.00	87.00	53.00	69.60	55.60	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		11,156.00		1,697.00		29,600.00		2,056.00			68
69	- WINTER		17,593.00		1,472.00		117,625.00		3,997.00			69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C		C		C		C		C		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		.05		.06		.14		.05			71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		15.31				.15		.04			72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP		10.95						25.00			73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP											74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	16.11	.40	4.00		93.90		3.00		150.00		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES		YES	YES	YES		YES	YES	YES	76
77	SEWAGE DISPOSAL: METHOD RS, ST, SW, OT[18]	OT		OT				ST		OT		77
78	[19] RECEIVING WATER BODY	R WABASH		D SANITARY BASIN		R OHIO				R OHIO		78
79	RDNO DISCHARGE: RH, BOILER BLOWDOWN - ASH SETTLING		7.00				8.56				6.81	79
80	SUSPENDED SOLIDS (RRM), BOILER BLOWDOWN - ASH SETTLING		15.00				14.30				30.00	80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN											81
82	- ASH SETTLING		6,284.00				146,396.67				7,710.00	82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	1	496.00	1	1,089.00	4	1,098.00	2	252.50	6	1,303.56	83
84	ONCE THROUGH COOLING (SALINE)											84
85	COOLING PONDS											85
86	COOLING TOWERS											86
87	COMBINATIONS[21]											87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM		1960		1972	1951	1964	1943	1949	1955	1956	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]		12.00		21.90	11.70	13.60	12.00	12.60		12.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)		311.22		1,467.00		1,169.80		426.00		2,032.20	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		731.90		1,537.00		1,169.80		426.00		2,032.20	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	2,200.00	29,210.00	9,400.00		3,504.00	92
93	COOLING PONDS ($1,000)						93
94	COOLING TOWERS ($1,000)						94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	109.40	20.37	116.00		414.00	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	4.53	1.64	10.80	.75	21.00	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	33.30	16.43	32.40		37.00	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	11.50	2.39	63.20	1.84	6.00	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	INDIANAPOLIS POWER & LIGHT CO.	INDIANAPOLIS POWER & LIGHT CO.	INDIANAPOLIS POWER & LIGHT CO.	INDIANAPOLIS POWER & LIGHT CO.	INTERSTATE POWER CO.	1
2							2
3							3
4	NAME OF PLANT	STOUT	PRITCHARD	PERRY	PETERSBURG	DUBUQUE	4
5	UTILITY-PLANT CODE	226000-0100	226000-0200	226000-0300	226000-0500	227000-0300	5
6	STATE	INDIANA	INDIANA	INDIANA	INDIANA	IOWA	6
7	COUNTY	MARION	MORGAN	MARION	PIKE	DUBUQUE	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	080 05	080 05	080 05	077 05	068 07	8
9	PLANT CAPACITY (MW)	934.76	393.64	47.50	724.44	91.25	9
10	ANNUAL GENERATION (MWH)[3]	3,686,000	1,168,600	68,000	3,616,500	374,200	10
11	PLANT HEAT RATE (BTU/KWH)[3]	10,121	11,293	15,562	10,349	13,483	11
	AIR QUALITY CONTROL DATA						
	FUEL CONSUMPTION DATA (ANNUAL)						
12	COAL: CONSUMPTION (1,000 TONS)	1,716.60	602.40	48.00	1,714.40	141.80	12
13	AVERAGE HEAT CONTENT (BTU/LB)	10,835	10,885	11,036	10,885	10,465	13
14	AVERAGE SULFUR CONTENT (%)	2.63	2.66	3.18	3.15	2.75	14
15	AVERAGE ASH CONTENT (%)	9.76	10.11	9.61	10.10	11.12	15
16	AVERAGE MOISTURE CONTENT (%)	15.12	14.70	13.80	13.82	13.37	16
17	OIL: CONSUMPTION (1,000 BARRELS)	49.00	13.70	3.60	14.80	.80	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	135,000	135,000	135,000	135,000	140,000	18
19	AVERAGE SULFUR CONTENT (%)	.30	.30	.30	.30	.40	19
20	GAS: CONSUMPTION (1,000 MCF)			46.00		2,072.20	20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)			900		1,000	21
	PLANT EQUIPMENT DATA						
22	BOILERS: - TOTAL NO.	13	6	8	2	5	22
23	- NO. OF WET BOTTOM	2	3				23
24	- NO. WITH FLY ASH REINJECTION			2		1	24
25	- NO. WITH MECHANICAL PRECIPITATORS	2	2				25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	1	2	4	2	3	26
27	- NO. WITH COMBINATION PRECIPITATORS[4]	2	2	2			27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	4.00 20.00	18.00	13.00 33.00	5.00	25.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	90.20	75.00			77.00	30
31	TESTED, LOW - HIGH	65.10	72.00 74.90				31
32	ESTIMATED, LOW - HIGH	65.00	72.00 75.00				32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	98.90 99.50	99.00 99.25	97.00 99.78	97.00 98.40	99.00	33
34	TESTED, LOW - HIGH	97.80 99.50	97.80 59.90	98.20 99.60	92.70 99.60	99.00 99.60	34
35	EST., LOW - HIGH	99.00	99.00	99.00		98.00	35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38
	PLANT OPERATING DATA AND COST OF EQUIPMENT						
39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	2.50	1.20	.06	6.78	.27	39
40	SULFUR DIOXIDE (1,000 TONS)	88.51	31.42	2.96	105.86	7.64	40
41	NITROGEN OXIDES (1,000 TONS)	15.88	5.85	.44	15.46	1.68	41
42	STACKS: - TOTAL NO.	13	3	3	1	5	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	134.00 565.00	250.00	272.00	550.00	106.00 158.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	165.00	59.30	35.80	166.60	12.40	45
46	SOLD (1,000 TONS)[11]	18.80		16.20			46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	76.00	79.10				50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	1,788.00	1,801.50	3,184.80	3,113.10	127.00	51
52	COMBINATION PRECIPITATORS ($1,000)[4]	1,256.39	1,312.60	2,228.60		3,696.10	52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)	1,298.74	249.50	107.96	772.00	175.00	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	171.40	76.10	266.30	393.50	61.70	55
56	REVENUES FROM SALE OF ASH ($1,000)	28.70		28.90			56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	210.70	82.70	269.10	400.70	61.70	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	28.70		28.90			60
	WATER QUALITY CONTROL DATA						
61	COOLING WATER: SOURCE	R WHITE	R WHITE	R WHITE	R WHITE	R MISSISSIPPI	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	207.30	226.10	13.40	390.00	115.40	62
63	AVERAGE RATE OF DISCHARGE (CFS)	201.66	226.10	13.40	390.00	115.40	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	5.64	1.94	.12	3.35	.99	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC	JUL DEC	JUL DEC	JUL DEC	JUL DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	87.40 53.40	80.40 53.40	82.40 46.40	82.90 48.00	88.00 34.00	66
67	AT OUTFALL, SUMMER - WINTER	98.10 76.90	96.30 69.80	104.90 62.60	109.90 84.90	108.00 70.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	874.00	932.00	671.00	7,346.00	a5,000.00	68
69	- WINTER	2,213.00	3,127.00	2,010.00	14,680.00	32,400.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	C	C	H	C	H	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.45	8.20 .36	8.75	.16	2.10	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.20		291.77	.18	17.31	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP		29.30	686.16	183.89		73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP						74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	198.00	73.58	6.00	20.00 2.10	1.08	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES		YES	YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	ST	PS	OT	PS	77
78	RECEIVING WATER BODY[19]				O ASH POND		78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	8.67		10.50	9.60 8.60	9.50 8.60	79
80	SUSPENDED SOLIDS (RPM), BOILER BLOWDOWN - ASH SETTLING	28.30			28.00		80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN			2.50	720.00	810.00	81
82	- ASH SETTLING	175,000.00			195,200.00	4,104.00	82
	COOLING FACILITY DATA						
83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		6 393.64	4 47.50	2 724.44	4 91.25	83
84	ONCE THROUGH COOLING (SALINE)						84
85	COOLING PONDS(S)						85
86	COOLING TOWER(S)	1 471.00					86
87	COMBINATIONS[21]	6 375.78					87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1931 1973	1949 1956	1937 1938	1967 1969	1926 1959	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	19.00 29.00	19.00 19.50	16.00 96.00	23.50 25.00	9.30 16.30	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	819.40	481.40	99.85	633.70	220.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	501.00	481.40	89.00	633.70	173.00	91
	CAPITAL COSTS OF COOLING FACILITIES						
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	2,309.70	1,806.10	646.00	3,256.00	266.00	92
93	COOLING PONDS ($1,000)						93
94	COOLING TOWERS ($1,000)	3,450.40	323.20				94
	ANNUAL COOLING WATER EXPENSES						
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	145.30	52.90	37.00	160.20	22.70	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	214.20	18.70		16.00	.50	96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES						
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	197.10	149.50	223.80	313.10	20.20	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	37.50	20.60	44.80	104.90	22.10	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	INTERSTATE POWER CO.	INTERSTATE POWER CO.	INTERSTATE POWER CO.	IOWA ELECTRIC LIGHT & POWER CO.	IOWA ELECTRIC LIGHT & POWER CO.	
4 NAME OF PLANT	FOX LAKE	LANSING	KARR	ARNOLD	BOONE	
5 UTILITY-PLANT CODE	227000-0400	227000-0700	227000-0800	226500-0450	226500-0600	
6 STATE	MINNESOTA	IOWA	IOWA	IOWA	IOWA	
7 COUNTY	MARTIN	ALLAMAKEE	CLINTON	LINN	BOONE	
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	126 07	080 07	069 07	088 07	082 07	
9 PLANT CAPACITY (MW)	104.60	64.00	237.20	550.00	34.20	
10 ANNUAL GENERATION (MWH)[3]	314,100	223,600	1,021,200	2,291,374	81,000	
11 PLANT HEAT RATE (BTU/KWH)[4]	11,555	13,775	11,456		15,036	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)	9.90	143.30	552.20		15.30	
13 AVERAGE HEAT CONTENT (BTU/LB)	8,662	10,704	10,527		9,146	
14 AVERAGE SULFUR CONTENT (%)	.72	2.47	2.44		4.16	
15 AVERAGE ASH CONTENT (%)	11.06	10.54	10.86		20.30	
16 AVERAGE MOISTURE CONTENT (%)	23.29	13.79	14.67		17.02	
17 OIL: CONSUMPTION (1,000 BARRELS)	195.70	2.00	3.50			
18 AVERAGE HEAT CONTENT (BTU/GAL)	151,524	140,000	140,000			
19 AVERAGE SULFUR CONTENT (%)	1.68	.50	.40			
20 GAS: CONSUMPTION (1,000 MCF)	2,210.30		52.00		932.30	
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)	999		998		997	

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	3	3	2		2	
23 - NO. OF WET BOTTOM						
24 - NO. WITH FLY ASH REINJECTION						
25 - NO. WITH MECHANICAL PRECIPITATORS					2	
26 - NO. WITH ELECTROSTATIC PRECIPITATORS		3	2			
27 - NO. WITH COMBINATION PRECIPITATORS[4]						
28 - NO. WITH DESULFURIZATION SYSTEMS						
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00 25.00	25.00	20.00 25.00		22.00 24.00	
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH					80.00	
31 TESTED, LOW - HIGH						
32 ESTIMATED, LOW - HIGH					80.00	
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH		99.00	98.80 99.00			
34 TESTED, LOW - HIGH		99.40 99.50	99.10 99.60			
35 EST., LOW - HIGH		98.00	97.20 98.30			
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
37 TESTED, LOW - HIGH						
38 ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.96	.26	1.40		.53	
40 SULFUR DIOXIDE (1,000 TONS)	1.24	6.94	26.41		1.25	
41 NITROGEN OXIDES (1,000 TONS)	.95	1.29	4.99		.32	
42 STACKS: - TOTAL NO.	2	2	2		2	
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	142.00	158.00	210.00 245.00		183.00	
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]	.19	10.10	56.60		2.00	
46 SOLD (1,000 TONS)[11]			5.90			
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)					53.00	
51 ELECTROSTATIC PRECIPITATORS ($1,000)		3,622.00	1,446.00			
52 COMBINATION PRECIPITATORS ($1,000)[4]						
53 DESULFURIZATION SYSTEMS ($1,000)						
54 STACKS ($1,000)	92.28	17.20	239.00		27.00	
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	5.40	12.30	188.10		10.10	
56 REVENUES FROM SALE OF ASH ($1,000)			8.90			
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	5.40	12.30	188.10		10.10	
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)			8.90			

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	L FOX	K MISSISSIRRI	K MISSISSIRPI	R CEDAR	M	
62 AVERAGE RATE OF WITHDRAWAL (CFS)	78.50	93.70	190.60	12.80	.43	
63 AVERAGE RATE OF DISCHARGE (CFS)	78.50	93.70	190.60	5.10	.07	
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.68	.81	1.64	7.70	.36	
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL OEC	JUL OEC	JUL OEC	AUG OEC		
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	85.00 42.00	85.00 44.00	86.10 41.10	86.70 43.40		
67 AT OUTFALL, SUMMER - WINTER	114.00 84.00	103.00 66.00	107.00 68.60	84.70 61.20		
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		60,070.00	65,800.00	1,578.00		
69 - WINTER		23,000.00	35,100.00	1,490.00		
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, O, D[16]	H	H	H/C	C	D	
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.15	.29	.13		.10	
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	24.17	8.19	33.15		23.00	
73 LIME (TONS), COOLING WATER - BOILER MAKEUP	13.23					
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP						
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	1.08 .05	.39	29.04	12.00	2.70	
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES YES	YES YES	
77 SEWAGE DISPOSAL: METHOD RS, ST, SW, OT[18]	ST	ST	RS	OT	PS	
78 RECEIVING WATER BODY[19]	C ORAINAGE FIELD			R CEDAR		
79 POND DISCHARGE: RH, BOILER BLOWDOWN - ASH SETTLING	9.50 6.90	9.50 7.60	9.50 8.30			
80 SUSPENDED SOLIDS (RPM), BOILER BLOWDOWN - ASH SETTLING	14.20					
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	895.00	800.90	3,100.00			
82 - ASH SETTLING	1,070.00	10,600.00	2,957.00			

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	3 104.60	3 64.00	2 237.20			
84 ONCE THROUGH COOLING (SALINE)						
85 COOLING POND(S)						
86 COOLING TOWER(S)				1 565.70	4 34.25	
87 COMBINATIONS[21]						
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1950 1962	1943 1957	1947 1967	1973	1942 1953	
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F): SMALLEST - LARGEST[22]	12.80 17.40	11.50 16.30	10.40 21.70	25.00	15.00 20.00	
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	147.00	134.00	263.00	632.40	86.90	
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	147.00	134.00	263.00			

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)	353.00	557.00	822.00			
93 COOLING PONDS ($1,000)						
94 COOLING TOWERS ($1,000)				3,000.00	376.00	

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	17.30	17.70	40.40	101.50	20.00	
96 COST OF CHEMICAL ADDITIVES ($1,000)	.30	.30	4.80	93.00	11.10	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	11.60	12.00	30.30	182.80	6.90	
98 COST OF CHEMICAL ADDITIVES ($1,000)	15.30	6.90	6.80	85.00	11.00	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	IOWA ELECTRIC LIGHT & POWER CO.	IOWA ELECTRIC LIGHT & POWER CO.	IOWA ELECTRIC LIGHT & POWER CO.	IOWA ELECTRIC LIGHT & POWER CO.	IOWA-ILLINOIS GAS & ELECTRIC CO.	1
2							2
3							3
4	NAME OF PLANT	SIXTH STREET	PRAIRE CREEK #4	PPAIRE CREEK #1-3	SUTHERLAND	MOLINE	4
5	UTILITY-PLANT CODE	228500-0800	228500-2100	228500-2200	228500-2600	229000-0200	5
6	STATE	IOWA	IOWA	IOWA	IOWA	ILLINOIS	6
7	COUNTY	LINN	LINN	LINN	MARSHALL	ROCK ISLAND	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	088 07	088 07	088 07	092 07	069 07	8
9	PLANT CAPACITY (MW)	92.20	148.70	96.00	156.60	79.14	9
10	ANNUAL GENERATION (MWH)[3]	144,000	538,800	305,300	739,200	153,400	10
11	PLANT HEAT RATE (BTU/KWH)[3]	33,833	10,668	12,880	11,904	16,842	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	154.70	271.66	132.70	164.60			12
13	AVERAGE HEAT CONTENT (BTU/LB)	10,112	10,241	10,239	10,374			13
14	AVERAGE SULFUR CONTENT (%)	2.27	1.73	1.91	1.92			14
15	AVERAGE ASH CONTENT (%)	8.68	9.16	9.74	10.62			15
16	AVERAGE MOISTURE CONTENT (%)	19.10	18.40	18.31	15.35			16
17	OIL: CONSUMPTION (1,000 BARRELS)	.60	2.07	1.14		156.20		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	139,040	138,500	138,500		137,806		18
19	AVERAGE SULFUR CONTENT (%)	.30	.25	.25		.50		19
20	GAS: CONSUMPTION (1,000 MCF)	1,677.70	157.60	1,176.40	5,396.00	1,618.00		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,037	1,038	1,040	999	1,038		21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	10	1	3	3	6		22
23	- NO. OF WET BOTTOM		1	1	1			23
24	- NO. WITH FLY ASH REINJECTION			2	1			24
25	- NO. WITH MECHANICAL PRECIPITATORS	2	1	2	3			25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	8	1					26
27	- NO. WITH COMBINATION PRECIPITATORS[4]			1				27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00 25.00	20.00	22.00 25.00	16.00 22.00	5.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	47.00	80.00	85.00	80.00			30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH	47.00		80.00	80.00			32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	98.00 99.30	99.50	99.00				33
34	TESTED, LOW - HIGH		99.50	99.00				34
35	EST., LOW - HIGH			99.00				35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	98.00 99.30		96.90				36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.25	.08	1.31	1.52	.03		39
40	SULFUR DIOXIDE (1,000 TONS)	6.88	9.21	4.97	6.19	.26		40
41	NITROGEN OXIDES (1,000 TONS)	1.72	4.11	1.87	4.23	.66		41
42	STACKS: - TOTAL NO.	10	1	2	3	6		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	198.00	200.00	180.00	190.00	101.00 120.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	17.80	23.60	11.90	13.60			45
46	SOLD (1,000 TONS)[11]							46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	31.00	56.80	50.00	157.00			50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	2,216.00	2,066.00					51
52	COMBINATION PRECIPITATORS ($1,000)[4]			602.00				52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	76.00	120.90	104.00	62.30	57.20		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	115.30	26.50	16.00	26.10			55
56	REVENUES FROM SALE OF ASH ($1,000)							56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	115.30	26.50	18.00	26.10			59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	O PPECIPITATION	O CEDAR RAPIDS	P CEDAR		R MISSISSIPPI		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	5.50	114.00	102.00	3.40	66.30		62
63	AVERAGE RATE OF DISCHARGE (CFS)	5.50	116.00	103.00	.50	66.30		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]							64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	.98	.88		2.80	.57		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	AUG DEC	AUG DEC			JUL OEC		66
67	AT OUTFALL, SUMMER - WINTER	87.00 42.00	87.00 42.00			85.00 38.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	108.00 72.00	102.00 64.00			99.00 50.00		68
69	- WINTER	1,250.00	1,250.00			68,560.00		69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	M 1,490.00	O 1,490.00	O	O	H 40,200.00		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	3.25 .90	.60	.18		.63		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	51.67	34.45	.01		.34		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP							73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP							74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	26.00 36.00	24.00	25.00	2.00			75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES	YES YES		YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, O[18]	PS ST	ST	ST		PS		77
78	RECEIVING WATER BODY[19]							78
79	POND DISCHARGES: PH, BOILER BLOWDOWN - ASH SETTLING	10.00 9.10				11.20		79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	150.00 66.00				5.00		80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	97.35	233.60	195.45				81
82	- ASH SETTLING	16,100.00	46,720.00	28,032.00		68.00		82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		1 148.75	3 96.00		4 79.14		83
84	ONCE THROUGH COOLING (SALINE)							84
85	COOLING POND(S)	7 92.25						85
86	COOLING TOWER(S)							86
87	COMBINATION[21]				3 156.60			87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1917 1950	1967	1950 1958	1955 1961	1913 1954		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	12.00 18.00	20.00	15.00 16.20	15.80 16.10	12.00 24.00		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	31.90	157.00	163.00	220.00	208.90		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		158.00	163.00		168.90		91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)							92
93	COOLING PONDS ($1,000)	314.00	1,133.50	663.50		427.00		93
94	COOLING TOWERS ($1,000)				1,250.00			94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	27.70	11.50	5.90	31.70	4.00		95
96	COST OF CHEMICAL ADDITIVES ($1,000)	5.80	10.30	6.90	108.00	1.00		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	240.40	15.50	13.90	17.40	10.00		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	228.00	11.80	6.50	12.90	2.00		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	IOWA-ILLINOIS GAS & ELECTRIC CO.	IOWA PUBLIC SERVICE CO.	IOWA PUBLIC SERVICE CO.	IOWA PUBLIC SERVICE CO.	IOWA POWER & LIGHT CO.	
NAME OF PLANT	RIVERSIDE	BIG SIOUX	NEAL, GEORGE	MAYNARD	COUNCIL BLUFFS	
UTILITY-PLANT CODE	229000-0300	229500-0200	229500-0800	229500-1300	230000-0100	
STATE	IOWA	IOWA	IOWA	IOWA	IOWA	
COUNTY	SCOTT	WOODBURY	WOODBURY	BLACKHAWK	POTTAWATTAMIE	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	069 07	086 10	086 10	086 07	085 14	
PLANT CAPACITY (MW)	221.65	40.00	997.00	100.00	130.60	
ANNUAL GENERATION (MWH)[3]	1,097,600	14,000	2,339,576	312,900	741,900	
PLANT HEAT RATE (BTU/KWH)[3]	12,722	21,750	11,117	12,449	11,114	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	431.80		1,037.42	46.14	318.10	
AVERAGE HEAT CONTENT (BTU/LB)	10,609		9,985	10,203	10,322	
AVERAGE SULFUR CONTENT (%)	2.74		.60	1.05	.81	
AVERAGE ASH CONTENT (%)	8.80		10.38	10.66	8.60	
AVERAGE MOISTURE CONTENT (%)	15.93		13.11	12.88	14.30	
OIL: CONSUMPTION (1,000 BARRELS)		1.08		4.29		
AVERAGE HEAT CONTENT (BTU/GAL)		138,860		136,560		
AVERAGE SULFUR CONTENT (%)		.10		.10		
GAS: CONSUMPTION (1,000 MCF)	4,607.60	296.89	5,280.81	2,898.27	1,676.70	
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,039	1,004	1,002	1,000	998	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	8	4	3	5	2	
- NO. OF WET BOTTOM	4		1			
- NO. WITH FLY ASH REINJECTION				3		
- NO. WITH MECHANICAL PRECIPITATORS				4		
- NO. WITH ELECTROSTATIC PRECIPITATORS	5		3		2	
- NO. WITH COMBINATION PRECIPITATORS[4]				1		
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	5.00	25.00	10.40 20.00	25.00	22.00 23.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH				82.00 85.00		
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH				85.00		
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	99.10 99.20		99.00 99.70	99.00	99.30	
TESTED, LOW - HIGH	99.40 99.80			99.51	99.00	
EST., LOW - HIGH			99.70		99.00	
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.15		.63	.03	.23	
SULFUR DIOXIDE (1,000 TONS)	23.19		12.20	.95	5.05	
NITROGEN OXIDES (1,000 TONS)	4.94	.06	15.25	.99	3.19	
STACKS: - TOTAL NO.	6	1	3	3	2	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	144.00 346.00	300.00	250.00 400.00	225.00 250.00	250.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]	38.00		124.70	4.49	27.40	
SOLD (1,000 TONS)[11]			20.40			
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)				53.00		
ELECTROSTATIC PRECIPITATORS ($1,000)	5,600.00		22,753.00		2,928.20	
COMBINATION PRECIPITATORS ($1,000)[4]				1,375.00		
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	235.30	35.30	1,368.00	121.00	306.70	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	81.20		289.80	26.10	93.60	
REVENUES FROM SALE OF ASH ($1,000)			2.60			
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	92.20		289.80	26.10	93.60	
TOTAL BYPRODUCT SALES REVENUES ($1,000)			2.60			

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	R MISSISSIPPI	R BIG SIOUX	P MISSOURI	R CEDAR	R MISSOURI	
AVERAGE RATE OF WITHDRAWAL (CFS)	257.70	34.50	823.00	147.00	165.00	
AVERAGE RATE OF DISCHARGE (CFS)	257.70	34.50	823.00	147.00	150.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	2.22	.30	7.08	1.26	1.42 15.00	
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC		AUG DEC	AUG DEC	JUL DEC	
MAX. TEMP. DUPING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	85.00 38.00	78.00 37.00	75.00 35.00	81.00 38.00	81.00 39.00	
AT OUTFALL, SUMMER - WINTER	104.00 55.00	86.00 51.00	87.00 52.00	94.00 49.00	99.00 64.00	
AVE. FLOW IN RECEIVING BODY DUPING PEAK MONTH (CFS): SUMMER	68,560.00	3,145.00	38,600.00	1,320.00	55,800.00	
- WINTER	40,200.00	213.00	21,600.00	1,340.00	24,020.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	H	H	C	H	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.49	.08	1.25	1.50	.50	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	70.19	.10	184.50	52.64	.40	
LIME (TONS), COOLING WATER - BOILER MAKEUP			90.00		20.00	
ALUM (TONS), COOLING WATER - BOILER MAKEUP	3.19		7.00			
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP[17]	10.00			3.00	.06	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	PS	ST	PS	SW	
RECEIVING WATER BODY					R MISSOURI	
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	11.20 10.30	11.00	9.80 11.50	10.50 6.70	10.50 10.70	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	40.00	25.00	18.00	10.00	30.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING	104.08 30,000.00	118.25	28.26	2,076.74 473.29	200.00	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	5 221.65	4 40.00	3 1,016.25	4 97.40	2 130.60	
ONCE THROUGH COOLING (SALINE)						
COOLING PONDS(S)						
COOLING TOWER(S)						
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1924 1961	1924 1948	1964 1975	1937 1958	1954 1958	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	11.50 18.50	12.00	17.00 22.00	10.00	15.70 17.40	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	381.80	164.30	790.40	123.30	173.40	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	381.80	133.70	823.30	240.00	160.50	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	724.00	297.00	5,567.00	146.00	726.80	
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	5.80		50.00	1.50	34.90	
COST OF CHEMICAL ADDITIVES ($1,000)	3.60			3.00		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	2.30	.80	19.00	8.30	22.20	
COST OF CHEMICAL ADDITIVES ($1,000)	24.30	7.30	68.90	27.20	26.10	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	IOWA POWER & LIGHT CO.	IOWA SO. UTIL. CO.	IOWA SO. UTIL. CO.	IOWA STATE UNIV OF SCIENCE & TECH	JACKSONVILLE ELECTRIC LIGHT	
2						PLT.	
3						KENNEDY	
4	NAME OF PLANT	OES MOINES #2	BRIDGEPORT	BURLINGTON	AMES/IOWA ST UNIV	234500-0100	
5	UTILITY-PLANT CODE	230000-0200	230500-0100	230500-0200	231250-0100	FLORIDA	
6	STATE	IOWA	IOWA	IOWA	IOWA	DUVAL	
7	COUNTY	ROLK	MONROE	OES MOINES	STORY		
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	092 07	092 07	065 07	092 07	049 03	
9	PLANT CAPACITY (MW)	269.60	71.00	211.95	23.75	249.60	
10	ANNUAL GENERATION (MWH)[3]	1,114,600	81,200	956,800	87,663	1,033,800	
11	PLANT HEAT RATE (BTU/KWH)[3]	13,229	16,842	10,456	33,686	11,975	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	366.60	57.70	499.30	65.77		12
13	AVERAGE HEAT CONTENT (BTU/LB)	9,024	10,027	9,596	10,741		13
14	AVERAGE SULFUR CONTENT (%)	2.60	2.37	2.34	2.16		14
15	AVERAGE ASH CONTENT (%)	13.61	14.44	8.42	8.34		15
16	AVERAGE MOISTURE CONTENT (%)	20.54	15.24	20.65	15.88		16
17	OIL: CONSUMPTION (1,000 BARRELS)	30.50	38.10	1.07		1,989.22	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	135,000	137,881	137,881		148,175	18
19	AVERAGE SULFUR CONTENT (%)	.40	.40	.40		1.58	19
20	GAS: CONSUMPTION (1,000 MCF)	8,007.40			1,577.11		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	995			980		21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	6	3	1	6	3			22
23	- NO. OF WET BOTTOM								23
24	- NO. WITH FLY ASH REINJECTION		3		1				24
25	- NO. WITH MECHANICAL PRECIPITATORS	3	3		5				25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	2		1					26
27	- NO. WITH COMBINATION PRECIPITATORS[4]								27
28	- NO. WITH DESULFURIZATION SYSTEMS								28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	7.00 23.00		20.00	25.00 30.00	12.00 15.00			29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	50.00 65.00	56.00		93.00 95.50				30
31	TESTED, LOW - HIGH		93.00						31
32	ESTIMATED, LOW - HIGH		53.00						32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	50.00 65.00	75.00		93.00 95.50				33
34	TESTED, LOW - HIGH	99.30		98.00					34
35	EST., LOW - HIGH	99.00		98.50					35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	99.00		98.50					36
37	TESTED, LOW - HIGH								37
38	ESTIMATED, LOW - HIGH								38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER[8] (1,000 TONS)	.51	2.64	.54	.29	.33			39
40	SULFUR DIOXIDE (1,000 TONS)	18.73	2.73	22.90	2.70	10.54			40
41	NITROGEN OXIDES (1,000 TONS)	4.93	.52	4.50	.76	4.39			41
42	STACKS: - TOTAL NO.	5	3	1	2	4			42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	138.00 250.00	150.00	306.00	160.00 200.00	136.00 150.00			43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]								44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]		7.90	41.40	7.90				45
46	SOLD (1,000 TONS)[11]		2.90						46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)								47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]								48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)								49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	91.70	45.00		502.00				50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	3,632.90							51
52	COMBINATION PRECIPITATORS ($1,000)[4]			367.00					52
53	DESULFURIZATION SYSTEMS ($1,000)								53
54	STACKS ($1,000)	339.50	108.00	212.00	420.00	80.00			54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		41.10	83.40	150.00				55
56	REVENUES FROM SALE OF ASH ($1,000)		1.20						56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)								57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)								58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		41.10	83.40	150.00				59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)		1.20			20.20			60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	R OES MOINES	R OES MOINES	R MISSISSIRPI	W	R ST. JOHNS			61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	200.00	.09	162.30	.51	332.00			62
63	AVERAGE RATE OF DISCHARGE (CFS)	200.00	.01	162.29	.27	332.00			63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]		.48	1.40 .01	.24	2.86			64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC		JUL JAN	SEP JAN	AUG DEC			65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	90.00 42.00		78.00 34.00	74.00 56.00	96.00 72.00			66
67	AT OUTFALL, SUMMER - WINTER	113.00 72.00		196.00 68.00	83.00 68.00	115.00 87.00			67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	4,785.00		82,000.00		109,000.00			68
69	- WINTER	804.00		58,000.00		109,000.00			69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[15]	O		O	O	H			70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.50	.01	.24		1.00			71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUR	61.00	.04	.19	.13	2.31			72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP		102.15 3.71	1.30					73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP		18.68 .68	.20					74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	6.00	.93	3.50					75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[7]	YES	YES	YES	YES YES	YES YES			76
77	SEWAGE DISPOSAL: METHOD RS, ST, SW, OT[16]	ST	ST	ST	PS	PS			77
78	RECEIVING WATER BODY		O ASH SETTL POND	R MISSISSIPRI	C SQUAW				78
79	RCND DISCHARGE:[17] RH, BOILER BLOWDOWN - ASH SETTLING	10.00 9.80	10.40	7.80					79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	5.00 47.00	10.00	12.00					80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	1,400.00							81
82	- ASH SETTLING	217,000.00	46,000.00	51,000.00					82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)			1 212.00					83
84	ONCE THROUGH COOLING (SALINE)					3 249.60			84
85	COOLING POND(S)								85
86	COOLING TOWER(S)		3 71.00		4 23.75				86
87	COMBINATIONS[21]	7 324.64							87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1925 1964	1953 1957	1967	1950 1969	1955 1961			88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	12.00 18.00	17.50	22.00	10.00 12.00	15.00 18.00			89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	626.00	124.00	180.00	56.00	326.60			90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	656.00		180.00		345.00			91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	214.40		1,153.00		410.00			92
93	COOLING PONDS ($1,000)								93
94	COOLING TOWERS ($1,000)	655.10	1,316.00		222.00				94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	8.40	30.60	50.00	54.00				95
96	COST OF CHEMICAL ADDITIVES ($1,000)	9.00	12.60	1.80	32.40	50.70			96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	9.90	11.40	4.00	36.00				97
98	COST OF CHEMICAL ADDITIVES ($1,000)	48.70	4.70	1.90	28.90	7.50			98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	JACKSONVILLE ELECTRIC LIGHT	JACKSONVILLE ELECTRIC LIGHT	JERSEY CENTRAL POWER & LIGHT CO.	JERSEY CENTRAL POWER & LIGHT CO.	JERSEY CENTRAL POWER & LIGHT CO.	
NAME OF PLANT	PLT. NORTHSIDE	PLT. SOUTHSIDE	WERNER	GILBERT	SAYREVILLE	
UTILITY-PLANT CODE	234500-0200	234500-0300	237000-0100	237000-0150	237000-0200	
STATE	FLORIDA	FLORIDA	NEW JERSEY	NEW JERSEY	NEW JERSEY	
COUNTY	DUVAL	DUVAL	MIDDLESEX	HUNTERDON	MIDDLESEX	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	049 03	049 03	043 02	151 02	063 02	
PLANT CAPACITY (MW)	595.00	356.60	116.20	126.10	340.80	
ANNUAL GENERATION (MWH)[3]	2,230,600	1,610,200	251,900	316,800	1,123,400	
PLANT HEAT RATE (BTU/KWH)[3]	10,000	11,297	11,706	12,137	11,356	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)						
AVERAGE HEAT CONTENT (BTU/LB)						
AVERAGE SULFUR CONTENT (%)						
AVERAGE ASH CONTENT (%)						
AVERAGE MOISTURE CONTENT (%)						
OIL: CONSUMPTION (1,000 BARRELS)	3,570.56	2,916.28	493.00	644.00	2,064.00	
AVERAGE HEAT CONTENT (BTU/GAL)	148,536	148,517	143,228	144,015	142,903	
AVERAGE SULFUR CONTENT (%)	2.03	1.59	.30	1.00	.30	
GAS: CONSUMPTION (1,000 MCF)					365.00	
AVERAGE HEAT CONTENT (BTU/CU.FT.)					1,010	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	5	4	3	6			
- NO. OF WET BOTTOM					4			
- NO. WITH FLY ASH REINJECTION					2			
- NO. WITH MECHANICAL PRECIPITATORS			1	2	2			
- NO. WITH ELECTROSTATIC PRECIPITATORS				1				
- NO. WITH COMBINATION PRECIPITATORS[4]								
- NO. WITH DESULFURIZATION SYSTEMS								
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	8.00 10.00	10.00	10.00 22.00	4.10 10.00	10.00 20.00			
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH					86.20			
TESTED, LOW - HIGH					88.40 89.30			
ESTIMATED, LOW - HIGH					87.00 88.00			
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH			85.00	90.00	90.00			
TESTED, LOW - HIGH			86.70		90.30 95.30			
EST., LOW - HIGH				88.80 90.00				
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH								
TESTED, LOW - HIGH								
ESTIMATED, LOW - HIGH								

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.60	.49	.02	.01	.03			
SULFUR DIOXIDE (1,000 TONS)	24.32	15.56	.47	2.16	2.08			
NITROGEN OXIDES (1,000 TONS)	7.87	6.43	1.04	1.42	4.62			
STACKS: - TOTAL NO.	2	6	4	3	5			
- HEIGHT (FEET), LOWEST - HIGHEST[8]	250.00 300.00	133.50 145.00	138.00 210.00	176.00 205.00	138.00 221.00			
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	.19	.30						
TOTAL ASH: COLLECTED (1,000 TONS)[10]		.50						
SOLD (1,000 TONS)[11]		.50						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)								
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]								
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)					112.00			
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			212.00	578.00	604.00			
ELECTROSTATIC PRECIPITATORS ($1,000)				270.00				
COMBINATION PRECIPITATORS ($1,000)[4]								
DESULFURIZATION SYSTEMS ($1,000)								
STACKS ($1,000)	480.00	134.00	60.50	61.50	134.90			
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	3.10	3.20						
REVENUES FROM SALE OF ASH ($1,000)	47.65	32.60						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)								
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)								
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	3.10	3.20						
TOTAL BYPRODUCT SALES REVENUES ($1,000)	47.65	32.60						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	R ST. JOHNS	R ST. JOHNS	R RARITAN	R DELAWARE	R RARITAN			
AVERAGE RATE OF WITHDRAWAL (CFS)	600.00	476.00	94.00	62.10	213.00			
AVERAGE RATE OF DISCHARGE (CFS)	600.00	476.00	94.00	62.10	213.00			
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	5.16	4.09	.81	.53	1.83			
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL NOV	AUG JAN	AUG DEC	AUG DEC	AUG DEC			
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	94.00 76.00	89.00 67.00	77.00 50.00	81.00 47.00	81.50 49.00			
AT OUTFALL, SUMMER - WINTER	114.00 94.00	110.00 83.00	81.00 71.00	95.00 57.00	97.00 63.00			
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	63,000.00	92,000.00		6,257.00				
- WINTER	63,000.00	92,000.00		10,234.00				
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	H	H	C	C	C			
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		1.00	.10	.49	2.60			
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	600.00		4.76		162.83			
LIME (TONS), COOLING WATER - BOILER MAKEUP	70.00			.20				
ALUM (TONS), COOLING WATER - BOILER MAKEUP	10.25							
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP			24.00	5.00	55.00			
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES YES	YES	YES	YES			
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	SW	PS	ST	ST	ST			
RECEIVING WATER BODY	C SAN CARLOS							
POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING					7.10			
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING					6.50			
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING					196,382.97			

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)				3 126.10				
ONCE THROUGH COOLING (SALINE)	2 595.00	5 356.60	3 116.26		4 318.00			
COOLING POND(S)								
COOLING TOWER(S)								
COMBINATIONS[21]								
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1966 1972	1950 1964	1930 1953	1930 1949	1930 1956			
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	10.00	10.50 18.00	7.00 10.50	13.20 17.30	13.60 16.20			
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	632.00	551.70	343.10	221.00	509.78			
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	632.00	544.80	348.26	233.00	510.00			

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	4,719.00	1,149.00	625.00	312.50	1,368.00			
COOLING PONDS ($1,000)								
COOLING TOWERS ($1,000)								

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)			32.50	5.50	46.10			
COST OF CHEMICAL ADDITIVES ($1,000)	100.60	50.00	6.50	1.80	14.90			

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)			31.60	28.30	55.40			
COST OF CHEMICAL ADDITIVES ($1,000)	158.00	6.00	3.90	2.50	53.00			

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	JERSEY CENTRAL POWER & LIGHT CO.	KANSAS CITY POWER & LIGHT CO.	KANSAS CITY POWER & LIGHT CO.	KANSAS CITY POWER & LIGHT CO.	KANSAS CITY POWER & LIGHT CO.
2						
3						
4	NAME OF PLANT	OYSTER CREEK NUC	GRAND AVE	HAWTHORNE	LA CYGNE	MONTROSE
5	UTILITY-PLANT CODE	237000-0800	241500-0100	241500-0200	241500-0250	241500-0300
6	STATE	NEW JERSEY	MISSOURI	MISSOURI	KANSAS	MISSOURI
7	COUNTY	OCEAN	JACKSON	JACKSON	LINN	HENRY
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	150 02	094 10	094 10	098 10	139 10
9	PLANT CAPACITY (MW)	550.00	126.75	508.00	873.00	563.00
10	ANNUAL GENERATION (MWH)[3]	3,145,800	198,000	2,970,600	2,266,100	2,679,000
11	PLANT HEAT RATE (BTU/KWH)[3]	10,636	26,752	11,075	12,241	11,261

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)		174.00	1,315.00	1,444.00	1,609.00
13	AVERAGE HEAT CONTENT (BTU/LB)		11,925	10,589	9,401	9,322
14	AVERAGE SULFUR CONTENT (%)		3.60	1.54	5.14	4.83
15	AVERAGE ASH CONTENT (%)		12.04	13.84	25.89	22.85
16	AVERAGE MOISTURE CONTENT (%)		6.34	10.18	8.04	11.17
17	OIL: CONSUMPTION (1,000 BARRELS)		69.00	11.00	101.00	30.00
18	AVERAGE HEAT CONTENT (BTU/GAL)		138,100	138,100	138,100	138,100
19	AVERAGE SULFUR CONTENT (%)		.30	.30	.40	.30
20	GAS: CONSUMPTION (1,000 MCF)		782.00	5,222.00		
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)		955	955		

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.		4	5	1	3
23	- NO. OF WET BOTTOM				1	
24	- NO. WITH FLY ASH REINJECTION					
25	- NO. WITH MECHANICAL PRECIPITATORS		2	4		
26	- NO. WITH ELECTROSTATIC PRECIPITATORS			1		3
27	- NO. WITH COMBINATION PRECIPITATORS[4]		1			
28	- NO. WITH DESULFURIZATION SYSTEMS			2	1	
29	- EXCESS AIR USED (%, LOWEST BOILER - HIGHEST BOILER)[5]		10.00 12.50	20.00	15.00	20.00
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		80.00	85.00		
31	TESTED, LOW - HIGH					
32	ESTIMATED, LOW - HIGH			85.00		
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH		97.00	99.00	95.00	99.50
34	TESTED, LOW - HIGH					99.50
35	EST., LOW - HIGH		99.00	99.00		
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH			70.00	80.00	
37	TESTED, LOW - HIGH					
38	ESTIMATED, LOW - HIGH			99.00	99.00	

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)		.18	8.05	37.40	1.56
40	SULFUR DIOXIDE (1,000 TONS)		12.35	39.70	145.61	152.35
41	NITROGEN OXIDES (1,000 TONS)		1.87	12.88	39.93	14.55
42	STACKS: - TOTAL NO.		3	3	1	2
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	114.00	240.00	200.00 600.00	698.50	450.00
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]			3.00	491.00	
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]		21.00	180.00	372.00	357.00
46	SOLD (1,000 TONS)[11]		2.00	6.00	5.00	73.90
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)					
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]					
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)					
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)		69.60	324.00		
51	ELECTROSTATIC PRECIPITATORS ($1,000)			1,294.00		
52	COMBINATION PRECIPITATORS ($1,000)[4]		852.00			440.00
53	DESULFURIZATION SYSTEMS ($1,000)			5,388.00	32,483.00	
54	STACKS ($1,000)		128.00	1,014.00	2,599.00	457.00
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		184.00	1,291.00	918.00	1,007.00
56	REVENUES FROM SALE OF ASH ($1,000)		1.00	8.00	4.00	81.00
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)			313.00	1,150.00	5.00
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)					
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		186.00	1,723.00	2,534.00	1,032.00
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)		1.00	8.00	4.00	81.00

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	O BAY	R MISSOURI	R MISSOURI	C NORTH SUGAR	C DEEPWATER
62	AVERAGE RATE OF WITHDRAWAL (CFS)	637.70	53.00	785.00	891.00	575.00
63	AVERAGE RATE OF DISCHARGE (CFS)	637.70	53.00	785.00	891.00	575.00
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	5.48	.46	6.75		
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC	AUG DEC	AUG DEC	AUG DEC
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	84.00 48.00	78.00 32.00	78.00 32.00	85.00 47.00	88.00 58.00
67	AT OUTFALL, SUMMER - WINTER	104.00 73.00	89.00 49.00	111.00 77.00	112.00 80.00	105.00 83.00
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		61,000.00	61,000.00		
69	- WINTER		55,000.00	55,000.00		
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	O	C	O	C
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP			.65		3.05
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	100.53		720.15	759.31	37.61
73	LIME (TONS), COOLING WATER - BOILER MAKEUP				70.00	20.00
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP				5.00	
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	65.00				
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	19.00 YES	32.00 1.05 YES
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT	PS	ST	OT	OT
78	RECEIVING WATER BODY	C OYSTER CREEK/8				
79	POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING					
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING					
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING					
82						

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		4 116.75	5 908.10		
84	ONCE THROUGH COOLING (SALINE)	1 550.00				
85	COOLING PONDS(S)				1 873.00	3 563.10
86	COOLING TOWER(S)					
87	COMBINATIONS[21]					
88	COOLING SYSTEM, YEAR OF INSTALLATION: LOWEST, OLDEST - NEWEST SYSTEM	1969	1929 1949	1951 1969	1973	1958 1964
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	19.87			18.44	15.80
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,002.00			891.30	765.00
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	2,765.00	501.00			

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	8,118.00	1,063.00	5,155.00		
93	COOLING PONDS ($1,000)				6,641.00	1,237.00
94	COOLING TOWERS ($1,000)					

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	99.30	9.00	33.00	15.00	31.00	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	20.00					96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	22.40	250.00	325.00	113.00	203.00	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	20.30					98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	1	KANSAS CITY POWER & LIGHT CO.	KANSAS CITY BOARD OF PUBLIC UTILS.	KANSAS CITY BOARD OF PUBLIC UTILS.	KANSAS CITY BOARD OF PUBLIC UTILS.	KANSAS GAS & ELECTRIC CO.	1
2	2						2
3	3						3
4 NAME OF PLANT	4	NORTHEAST	KAW	QUINDARO #2	QUINDARO #3	EVANS	4
5 UTILITY-PLANT CODE	5	241500-0400	242000-0100	242000-0200	242000-0300	242500-0100	5
6 STATE	6	MISSOURI	KANSAS	KANSAS	KANSAS	KANSAS	6
7 COUNTY	7	JACKSON	WYANDOTTE	WYANDOTTE	WYANDOTTE	SEDGWICK	7
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	8	094 10	094 10	094 10	094 10	099 11	8
9 PLANT CAPACITY (MW)	9	133.00	161.28	94.50	239.10	539.30	9
10 ANNUAL GENERATION (MWH)[3]	10	39,000	700,000	194,300	912,700	2,973,200	10
11 PLANT HEAT RATE (BTU/KWH)[3]	11	19,383	11,568	17,801	10,057	10,017	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)	12		156.68	38.64	294.99			12
13 AVERAGE HEAT CONTENT (BTU/LB)	13		11,669	11,953	11,351			13
14 AVERAGE SULFUR CONTENT (%)	14		4.55	3.96	2.66			14
15 AVERAGE ASH CONTENT (%)	15		13.62	13.93	12.99			15
16 AVERAGE MOISTURE CONTENT (%)	16		7.85	6.64	8.34			16
17 OIL: CONSUMPTION (1,000 BARRELS)	17	5.00	1.11	1.89	.29	473.40		17
18 AVERAGE HEAT CONTENT (BTU/GAL)	18	138,000	138,000	138,000	138,000	149,107		18
19 AVERAGE SULFUR CONTENT (%)	19	.30	.50	.50	.50	1.10		19
20 GAS: CONSUMPTION (1,000 MCF)	20	762.00	4,456.34	2,686.88	2,611.29	27,575.40		20
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)	21	954	955	949	952	973		21

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	22	8	3	6	2	2		22
23 - NO. OF WET BOTTOM	23		3	6	1			23
24 - NO. WITH FLY ASH REINJECTION	24							24
25 - NO. WITH MECHANICAL PRECIPITATORS	25		2	2				25
26 - NO. WITH ELECTROSTATIC PRECIPITATORS	26		1		2			26
27 - NO. WITH COMBINATION PRECIPITATORS[4]	27							27
28 - NO. WITH DESULFURIZATION SYSTEMS	28							28
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	29	20.00	16.00 25.00	25.00 41.00	16.00 20.00	8.00		29
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30		85.00	85.00				30
31 TESTED, LOW - HIGH	31							31
32 ESTIMATED, LOW - HIGH	32		85.00	85.00				32
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	33		97.00		97.00 99.35			33
34 TESTED, LOW - HIGH	34				93.50 98.80			34
35 EST., LOW - HIGH	35		90.00		95.00			35
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36							36
37 TESTED, LOW - HIGH	37							37
38 ESTIMATED, LOW - HIGH	38							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	39		1.41	1.36	.94	.08		39
40 SULFUR DIOXIDE (1,000 TONS)	40	.01	13.97	3.02	15.38	1.75		40
41 NITROGEN OXIDES (1,000 TONS)	41	.16	3.92	1.11	6.49	6.42		41
42 STACKS: - TOTAL NO.	42	5	3	5	2	3		42
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	43	150.00 159.00	204.50 208.00	155.00	350.00	197.50		43
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	44							44
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]	45		20.00	4.50	36.40			45
46 SOLD (1,000 TONS)[11]	46							46
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47							47
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]	48							48
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49							49
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50		120.00	100.00				50
51 ELECTROSTATIC PRECIPITATORS ($1,000)	51		247.00		595.00			51
52 COMBINATION PRECIPITATORS ($1,000)[14]	52							52
53 DESULFURIZATION SYSTEMS ($1,000)	53							53
54 STACKS ($1,000)	54	33.00	196.62	132.00	443.30	80.80		54
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55		20.00	4.50	36.40			55
56 REVENUES FROM SALE OF ASH ($1,000)	56							56
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57							57
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58							58
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	59	3.00	20.00	4.50	36.40			59
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)	60							60

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	61	R MISSOURI	R KAW	R MISSOURI	R MISSOURI	W		61
62 AVERAGE RATE OF WITHDRAWAL (CFS)	62	57.00	137.00	68.00	223.00	9.05		62
63 AVERAGE RATE OF DISCHARGE (CFS)	63	57.00	137.00	54.00	223.00	2.85		63
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	64	.49	1.18	.58 14.00	1.92	6.20		64
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	65		AUG OEC	AUG DEC	AUG OEC	JUL OEC		65
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66	78.00 32.00	85.00 40.00	85.00 40.00	85.00 40.00			66
67 AT OUTFALL, SUMMER - WINTER	67	89.00 49.00	100.00 55.00	100.00 55.00	100.00 55.00			67
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	68	61,000.00	12,500.00	40,000.00	40,000.00			68
69 - WINTER	69	55,000.00	1,450.00	19,000.00	19,000.00			69
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	70	O C	C	C	C			70
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71	1.50				38.13 .30		71
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72		25.95	179.50	39.50	1.20		72
73 LIME (TONS), COOLING WATER - BOILER MAKEUP	73							73
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP	74					14.00		74
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75		34.00					75
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	76	YES	YES	YES	YES	YES YES		76
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	77	PS	PS	PS	PS			77
78 RECEIVING WATER BODY	78							78
79 POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING	79		10.50 5.00	10.50 5.00	10.50 5.00			79
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80		400.00 2,000.00	400.00 2,000.00	400.00 2,000.00			80
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	81		133.00	40.00	65.00			81
82 - ASH SETTLING	82		5,200.00	2,120.00	5,166.00			82

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	83	4 118.00	3 161.28	3 94.50	2 239.10			83
84 ONCE THROUGH COOLING (SALINE)	84							84
85 COOLING POND(S)	85							85
86 COOLING TOWER(S)	86					2 539.30		86
87 COMBINATIONS[21]	87							87
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88	1920 1940	1955 1962	1938 1952	1965 1970	1961 1967		88
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	89		13.76 15.85	14.00	13.48 14.25	22.24 25.32		89
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90		273.00	262.00	340.00	469.20		90
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91	443.00	273.00	262.00	340.00			91

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)	92	955.00	932.00	870.00	1,950.00			92
93 COOLING PONDS ($1,000)	93							93
94 COOLING TOWERS ($1,000)	94					2,154.40		94

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	95		75.00	75.00	70.00	28.90		95
96 COST OF CHEMICAL ADDITIVES ($1,000)	96		6.80			105.20		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	97	31.00	20.00	35.00	10.00	10.50		97
98 COST OF CHEMICAL ADDITIVES ($1,000)	98		5.00	30.00	10.00	37.30		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	KANSAS GAS & ELECTRIC CO.	KANSAS GAS & ELECTRIC CO.	KANSAS GAS & ELECTRIC CO.	KENTUCKY POWER CO.	KENTUCKY UTILITIES CO.	1
2							2
3							3
4	NAME OF PLANT	GILL	NEOSHO	PIPLEY	81G SANDY	BROWN	4
5	UTILITY-PLANT CODE	242500-0200	242500-0300	242500-0400	245000-0100	245500-0200	5
6	STATE	KANSAS	KANSAS	KANSAS	KENTUCKY	KENTUCKY	6
7	COUNTY	SEDGWICK	LABETTE	SEDGWICK	LAWRENCE	MERCER	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	099 11	098 11	099 11	103 05	102 05	8
9	PLANT CAPACITY (MW)	348.30	113.50	87.20	1,060.00	694.00	9
10	ANNUAL GENERATION (MWH)[3]	1,667,900	237,300	181,300	5,019,800	2,958,700	10
11	PLANT HEAT RATE (BTU/KWH)[3]	10,802	12,233	14,129	9,480	10,405	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)					2,101.30	1,339.00	12
13	AVERAGE HEAT CONTENT (BTU/LB)		.60			11,208	11,494	13
14	AVERAGE SULFUR CONTENT (%)		12,076			1.25	1.68	14
15	AVERAGE ASH CONTENT (%)		1.70			14.92	14.41	15
16	AVERAGE MOISTURE CONTENT (%)		13.50			7.76	6.61	16
17	OIL: CONSUMPTION (1,000 BARRELS)		6.50			88.60	T.07	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	623.80	244.10	273.60		129,000	138,400	18
19	AVERAGE SULFUR CONTENT (%)	150,953	151,515	150,246		.10	.25	19
20	GAS: CONSUMPTION (1,000 MCF)	1.00	1.40	.90				20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	14,025.70	1,321.00	822.20				21
		1,003	1,017	1,016				

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	4	7	5	2	3		22
23	- NO. OF WET BOTTOM							23
24	- NO. WITH FLY ASH REINJECTION							24
25	- NO. WITH MECHANICAL PRECIPITATORS					1		25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS				2	2		26
27	- NO. WITH COMBINATION PRECIPITATORS[4]							27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]							29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	8.00 15.00	10.00 35.00	10.00 12.00	20.00	20.00 25.00		30
31	TESTED, LOW - HIGH					80.00		31
32	ESTIMATED, LOW - HIGH							32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH				98.50	98.00 98.50		33
34	TESTED, LOW - HIGH				97.10 97.90			34
35	EST., LOW - HIGH					97.00 99.00		35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.10	.05	.05	7.10	4.28		39
40	SULFUR DIOXIDE (1,000 TONS)	2.09	1.15	.83	51.51	44.38		40
41	NITROGEN OXIDES (1,000 TONS)	4.11	.80	.76	19.11	12.06		41
42	STACKS: - TOTAL NO.	5	3	3	1	3		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	144.00 150.00	155.00 202.00	150.00	825.00	345.00 564.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	.03			301.70	187.60		45
46	SOLD (1,000 TONS)[11]							46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)					77.80		50
51	ELECTROSTATIC PRECIPITATORS ($1,000)				3,094.00	2,435.00		51
52	COMBINATION PRECIPITATORS ($1,000)[4]							52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	123.00	107.10	98.80	2,521.00	1,065.50		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		.96		653.00	6.80		55
56	REVENUES FROM SALE OF ASH ($1,000)							56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		.96		653.00	6.80		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE		P NEOSHO	W	P 81G SANDY	L MERRINGTON		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	0.21	1.68	2.40	22.40			62
63	AVERAGE RATE OF DISCHARGE (CFS)	1.17	.76	.40	9.52			63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	5.04	.90	1.60	20.05			64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC	JUL DEC	JUL DEC	AUG OCT	AUG DEC		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT CIVERSION, SUMMER - WINTER				67.00 48.00			66
67	AT OUTFALL, SUMMER - WINTER				71.00 50.00			67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	15.00	314.00	100.00	5,380.00			68
69	- WINTER	20.00	206.00	30.00	9,800.00			69
70	FREQUENCY OF TEMPERATURE MONITORING: C, M, O, O[16]				C	C		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	7.83 3.05	2.88 1.26	16.95	.09	.70		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.10	.09 .02	.20	239.75	23.15		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP		84.79 14.98		15.00	7.73		73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP					7.95		74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	10.00	7.18 3.15	5.43 .90	11.00 .68	6.80		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES YES	YES YES	YES YES	YES YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]		ST	ST		ST		77
78	RECEIVING WATER BODY[19]							78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		7.60	9.00	7.30	8.50		79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING				20.00	41.00		80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN			1,140.00				81
82	- ASH SETTLING				88,300.00	241,000.00		82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)								83
84	ONCE THROUGH COOLING (SALINE)								84
85	COOLING POND(S)		2 40.00						85
86	COOLING TOWER(S)	4 348.20	1 73.50	3 87.20	2 1,091.00	3 696.00			86
87	COMBINATIONS[21]								87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1952 1959	1923 1954	1948 1972	1962 1968	1057 1971			88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	14.50 17.40	11.00 16.00	12.40 14.00	22.70 28.70	15.00 25.00			89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	493.30	250.00	216.40	802.10	716.00			90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)								91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)							92
93	COOLING PONDS ($1,000)		812.00					93
94	COOLING TOWERS ($1,000)	2,544.50	253.60	722.00		2,087.00		94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	102.27	32.60	5.70		5.00		95
96	COST OF CHEMICAL ADDITIVES ($1,000)	54.39	10.70	21.20	24.00	105.40		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	46.36	15.00	14.00		3.00		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	24.86	4.20	1.90	76.00	14.00		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	KENTUCKY UTILITIES CO	KENTUCKY UTILITIES CO.	KENTUCKY UTILITIES CO.	KENTUCKY UTILITIES CO.	LAKE SUPERIOR DIST. PWR. CO.	
NAME OF PLANT	GHENT A	GREEN RIVER	PINEVILLE	TYRONE	BAY FRONT	
UTILITY-PLANT CODE	245500-0250	245500-0300	245500-0500	245500-0600	256000-0200	
STATE	KENTUCKY	KENTUCKY	KENTUCKY	KENTUCKY	WISCONSIN	
COUNTY	CARROLL	MUHLENBERG	BELL	WOODFORD	ASHLAND	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	079 05	072 05	101 05	102 05	129 04	82.20
PLANT CAPACITY (MW)	511.00	263.00	37.50	135.00	82.20	
ANNUAL GENERATION (MWH)[3]	2,569,600	1,045,600	53,000	106,000	138,500	
PLANT HEAT RATE (BTU/KWH)[3]	10,104	11,820	13,905	14,660	15,267	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	1,188.50	577.52	30.31	63.03	52.27	
AVERAGE HEAT CONTENT (BTU/LB)	10,884	10,700	12,043	11,227	9,966	
AVERAGE SULFUR CONTENT (%)	3.30	2.61	1.43	.93	1.62	
AVERAGE ASH CONTENT (%)	10.51	15.75	11.78	14.38	7.94	
AVERAGE MOISTURE CONTENT (%)	12.90	9.38	6.59	8.31	18.92	
OIL: CONSUMPTION (1,000 BARRELS)	15.60		.92	23.62	47.33	
AVERAGE HEAT CONTENT (BTU/GAL)	138,400		132,000	139,753	134,556	
AVERAGE SULFUR CONTENT (%)	.21		.02	.20	.50	
GAS: CONSUMPTION (1,000 MCF)					807.29	
AVERAGE HEAT CONTENT (BTU/CU.FT.)					999	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	1	5	1	5	5	
- NO. OF WET BOTTOM					1	
- NO. WITH FLY ASH REINJECTION					2	
- NO. WITH MECHANICAL PRECIPITATORS		4	1		4	
- NO. WITH ELECTROSTATIC PRECIPITATORS	1	2		1		
- NO. WITH COMBINATION PRECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS		3				
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00	25.00	25.00	25.00	15.00 40.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		80.00 84.00	81.70		90.00 92.00	
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH		80.00			90.00	
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	98.50	98.50 99.00	98.50	99.50		
TESTED, LOW - HIGH	98.80	99.14 99.30		99.50		
EST., LOW - HIGH	98.80					
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH		80.00				
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH		80.00				

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	1.27	3.16	.05	.04	.29	
SULFUR DIOXIDE (1,000 TONS)	76.88	29.54	.85	1.16	1.74	
NITROGEN OXIDES (1,000 TONS)	10.73	5.19	.27	.62	1.27	
STACKS: - TOTAL NO.	1	4	1	3	4	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	659.00	125.00 247.00	135.00	180.00	141.00 195.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]	123.40	87.12	3.50	9.06	3.60	
SOLD (1,000 TONS)[11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)		162.75	19.96		145.00	
ELECTROSTATIC PRECIPITATORS ($1,000)	756.00	2,017.37		1,460.50		
COMBINATION PRECIPITATORS ($1,000)						
DESULFURIZATION SYSTEMS ($1,000)		411.72				
STACKS ($1,000)	779.50	229.11	11.85		169.83	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	155.00	225.84	.52	29.48	18.70	
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)		44.68				
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	176.00	321.14	.52	29.48	120.80	
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	R OHIO	R GREEN	R CUMBERLAND	R KENTUCKY	L SUPERIOR	
AVERAGE RATE OF WITHDRAWAL (CFS)	26.74	458.10	2.90	73.30	40.06	
AVERAGE RATE OF DISCHARGE (CFS)	15.00	457.84	2.10	73.30	40.06	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	11.00	.26	.80	.63 .34	.34	
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC	AUG DEC	SEP DEC	SEP OEC	JUL JAN	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	87.00 45.00	98.00 52.00		81.00 44.00	75.50 39.00	
AT OUTFALL, SUMMER - WINTER	87.00 45.00	119.00 79.00		94.00 61.00	97.50 72.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	30,000.00	1,177.00				
- WINTER	100,000.00	14,280.00				
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	C	O	C	H	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.60	1.15	.03	.72	.25	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		288.57	2.55	125.79	.15	
LIME (TONS), COOLING WATER - BOILER MAKEUP		15.41 .81		7.50		
ALUM (TONS), COOLING WATER - BOILER MAKEUP		60.65 3.20	5.10	22.50	.20	
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP		4.00 1.13			1.65	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES YES	YES YES	YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]			OT	OT	ST	
RECEIVING WATER BODY	R OHIO	R GREEN	R CUMBERLAND	R KENTUCKY		
POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING	8.80	8.60	10.30 7.40	7.80	8.00 8.00	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	12.60	1.60		10.00	450.00 500.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING	5,600.00	12,860.00	18,816.00	2,300.00	8.14	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		4 263.00		3 135.00	6 82.20	
ONCE THROUGH COOLING (SALINE)						
COOLING POND(S)			1 37.50			
COOLING TOWER(S)	1 511.00					
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1973	1949 1959	1951	1947 1953	1917 1957	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	25.00	20.00	16.00	12.00 18.00		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	436.00	406.90	7.91	256.10	124.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		406.90		256.10	123.90	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)		2,580.69			687.00
COOLING PONDS ($1,000)					
COOLING TOWERS ($1,000)	926.00		116.72		

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	251.10	25.46	3.43		10.45
COST OF CHEMICAL ADDITIVES ($1,000)		14.22	5.49		.90

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	51.20	206.31	6.57	38.30	24.53
COST OF CHEMICAL ADDITIVES ($1,000)	3.20	40.99	5.86		2.40

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	LAKE WORTH LIGHT & WATER DEPT.	LAKELAND LIGHT & WATER DEPT.	LAKELAND LIGHT & WATER DEPT.	LAMAR LT & PWR DEPT	LANSING BOARD OF W.E.&L. COMM.	1
2							2
3							3
4	NAME OF PLANT	LAKE WORTH	LAKE PARKER	PLANT #3	LAMAR	ECKERT	4
5	UTILITY-PLANT CODE	256500-0100	257500-0200	257500-0300	258500-0100	260500-0100	5
6	STATE	FLORIDA	FLORIDA	FLORIDA	COLORADO	MICHIGAN	6
7	COUNTY	PALM BEACH	POLK	POLK	PROWERS	INGHAM	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	050 03	052 03	052 03	034 11	125 04	8
9	PLANT CAPACITY (MW)	74.10	120.00	100.00	25.00	386.00	9
10	ANNUAL GENERATION (MWH)[3]	234,000	377,000	557,000	74,000	831,100	10
11	PLANT HEAT RATE (BTU/KWH)[3]	13,266	12,067	10,757	15,139	11,346	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)					386.90	12
13	AVERAGE HEAT CONTENT (BTU/LB)					12,174	13
14	AVERAGE SULFUR CONTENT (%)					2.97	14
15	AVERAGE ASH CONTENT (%)					11.11	15
16	AVERAGE MOISTURE CONTENT (%)					5.64	16
17	OIL: CONSUMPTION (1,000 BARRELS)	42.97	613.00	817.90	3.51		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	148,000	146,054	148,158	145,000		18
19	AVERAGE SULFUR CONTENT (%)	1.80	.66	2.43	.20		19
20	GAS: CONSUMPTION (1,000 MCF)	2,723.82	758.40	870.80	1,093.43		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,044	1,044	1,051	1,002		21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	4	4	1	1	6	22
23	- NO. OF WET BOTTOM						23
24	- NO. WITH FLY ASH REINJECTION						24
25	- NO. WITH MECHANICAL PRECIPITATORS	3					25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS						26
27	- NO. WITH COMBINATION PRECIPITATORS[4]					6	27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]						29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	10.00	10.00 15.00	10.00	15.00	18.00	30
31	TESTED, LOW - HIGH	90.00					31
32	ESTIMATED, LOW - HIGH						32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH						33
34	TESTED, LOW - HIGH					97.40 97.50	34
35	EST., LOW - HIGH					96.90 98.00	35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH					97.50 99.50	36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.01	.10	.14		.81	39
40	SULFUR DIOXIDE (1,000 TONS)	.26	1.36	6.67		22.52	40
41	NITROGEN OXIDES (1,000 TONS)	.63	1.50	1.97	.22	3.48	41
42	STACKS: - TOTAL NO.	4	4	2	1	6	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	60.00 125.00	165.00	156.50	70.00	334.00 359.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]					43.30	45
46	SOLD (1,000 TONS)[11]					10.80	46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	45.00					50
51	ELECTROSTATIC PRECIPITATORS ($1,000)						51
52	COMBINATION PRECIPITATORS ($1,000)[4]					3,289.40	52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)	54.00					54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)					592.50	55
56	REVENUES FROM SALE OF ASH ($1,000)					124.00	56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)					11.00	57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]					174.00	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)			2.02		11.00	60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	M	O LAKE		M	R GRAND	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)		291.00	176.00	26.00	197.20	62
63	AVERAGE RATE OF DISCHARGE (CFS)		251.00	176.00	26.60	196.90	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]		2.50	1.51 .23		.30	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]		AUG DEC	AUG DEC	AUG OCT	JUN DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER		92.00 86.00	98.00 85.00	60.00 60.00	79.00 47.00	66
67	AT OUTFALL, SUMMER - WINTER		99.00 91.00	108.00 95.00	95.00 90.00	83.00 54.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		317.00	178.00	33.30	570.00	68
69	- WINTER		248.00	178.00	22.00	660.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[15]		H	H	C		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		.18 .85	.40	.13		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		9.56 .07		.07	.25	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP			4.75			73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP						74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	1.00				3.50	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[16]	YES YES	YES	YES	YES	YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	ST	ST	PS	PS	77
78	[19] RECEIVING WATER BODY				R ARKANSAS		78
79	POND DISCHARGE: [19] PH, BOILER BLOWDOWN - ASH SETTLING	9.50		6.50		11.00	79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	300.00		15.00		30.00	80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	470.00		2,400.00		1,818.61	81
82	- ASH SETTLING						82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		4 120.00	1 100.00	1 25.00		83
84	ONCE THROUGH COOLING (SALINE)						84
85	COOLING POND(S)						85
86	COOLING TOWER(S)	4 74.08					86
87	COMBINATIONS[21]						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1961 1971	1950 1966	1970	1972	6 381.00 1954 1970	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	14.50 17.20	6.00 8.20	11.40	30.00	16.30 23.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	146.20	418.00	178.00	6.28	450.60	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		338.00	176.00	33.50	450.00	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)			440.00	422.00	1,050.00	92
93	COOLING PONDS ($1,000)					1.10	93
94	COOLING TOWERS ($1,000)	895.00				1,265.00	94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	84.00	59.00	5.00	10.00	12.00	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	51.00				1.33	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	1.00	5.75	2.00	5.00	12.00	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	3.00	3.50	2.50	.71	1.12	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	LANSING BOARD OF W.E.&L. COMM.	LANSING BOARD OF W.E.&L. COMM.	LEA COUNTY ELEC COOP	LINCOLN ELEC SYSTEM	LOGANSPORT MUN UTILS	
	ERICKSON	OTTAWA	LOVINGTON	LINCOLN/ K ST	LOGANSPORT	
NAME OF PLANT	260500-0150	260500-0400	265000-0100	267700-0100	272500-0100	
UTILITY-PLANT CODE	MICHIGAN	MICHIGAN	NEW MEXICO	NEBRASKA	INDIANA	
STATE	EATON	INGHAM	LEA	LANCASTER	CASS	
COUNTY	125 04	125 04	155 13	145 10	084 05	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	160.00	81.50	39.60	30.00	55.00	
PLANT CAPACITY (MW)	929,200	39,000	304,300	40,000	103,000	
ANNUAL GENERATION (MWH)[3]	10,259	10,552	11,940	24,253	16,960	
PLANT HEAT RATE (BTU/KWH)[3]						

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	402.41	35.85		10.68	70.80	
AVERAGE HEAT CONTENT (BTU/LB)	11,853	12,047		12,661	11,500	
AVERAGE SULFUR CONTENT (%)	3.59	2.81		4.48	1.30	
AVERAGE ASH CONTENT (%)	13.14	11.53		10.87	5.30	
AVERAGE MOISTURE CONTENT (%)	4.92	6.43		3.07	12.10	
OIL: CONSUMPTION (1,000 BARRELS)			1.75	11.79	20.85	
AVERAGE HEAT CONTENT (BTU/GAL)			137,026	150,812	136,000	
AVERAGE SULFUR CONTENT (%)			.30	1.51	.10	
GAS: CONSUMPTION (1,000 MCF)			3,276.00	637.00		
AVERAGE HEAT CONTENT (BTU/CU.FT.)			1,106	1,000		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	1	5	2	3	2	
- NO. OF WET BOTTOM		5		1		
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS				2	2	
- NO. WITH ELECTROSTATIC PRECIPITATORS	1	5				
- NO. WITH COMBINATION PRECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS					33.00	
- EXCESS AIR USED (%). LOWEST BOILER - HIGHEST BOILER[5]	25.00	18.00 7.00 8.00		85.00	89.00 90.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH				79.00 88.00	89.00 90.00	
ESTIMATED, LOW - HIGH	99.50	97.50				
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	59.50					
TESTED, LOW - HIGH		97.50				
EST., LOW - HIGH						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS?: PARTICULATE MATTER (1,000 TONS)	.22	.07		.21	.26	
SULFUR OIOXIOE (1,000 TONS)	28.32	1.98		1.00	1.80	
NITROGEN OXIOES (1,000 TONS)	3.62	.54	.69	.25	.53	
	1	1	2	2	2	
STACKS: - TOTAL NO.	475.00	293.00	77.00 78.00	207.00	111.00 125.00	
- HEIGHT (FEET), LOWEST - HIGHEST[8]				.60		
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	46.00	5.40				
TOTAL ASH: COLLECTED (1,000 TONS)[10]						
SOLD (1,000 TONS)[11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]				109.00	18.70	
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	326.21	361.80				
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000)[13]				40.00	164.00	
DESULFURIZATION SYSTEMS ($1,000)	900.00	174.30		7.50	7.70	
STACKS ($1,000)	52.00	8.00				
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)				7.50	7.70	
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	87.00	18.00				
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[14]						
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	R GRAND	R GRAND	W .	M	R EEL	
AVERAGE RATE OF WITHDRAWAL (CFS)	4.46	33.90	.88		.64	
AVERAGE RATE OF DISCHARGE (CFS)	.36	33.60	.29		.64	
AVE. RATE OF CONSUMPTION (CFS). CALCULATED - REPORTED[14]	3.90	.29 .30	.59		.01	
SUMMER - WINTER[15]		JUN OEC	JUL OEC		JUL NOV	
PEAK LOAD MONTH : SUMMER - WINTER		78.00 45.00	63.00 55.00		87.00 40.00	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER		82.00 58.00	75.00 65.00		93.00 57.00	
AT OUTFALL, SUMMER - WINTER		1,000.00	.61			
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		1,100.00	.59			
- WINTER						
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	C	.20	H 1.00	H .60	
CHEMICAL ADDITIVES: PHOSPHATE (TONS). COOLING WATER - BOILER MAKEUP			.15	8.00	.40	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		.23		25.00		
LIME (TONS), COOLING WATER - BOILER MAKEUP						
ALUM (TONS), COOLING WATER - BOILER MAKEUP			.80			
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP[17]	17.95	4.50				
OTHER (YES/NO),	YES YES	. YES	YES YES	YES YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT	PS	ST	PS	PS	
RECEIVING WATER BODY[19]						
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	9.50	11.00				
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	800.00	30.00				
VOLUME 11,000 CUFT/YR), BOILER BLOWDOWN		555.74				
- ASH SETTLING						

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		3 75.00			2 38.50	
ONCE THROUGH COOLING (SALINE)						
COOLING PONDS(S)			2 59.60	3 30.00		
COOLING TOWER(S)	1 165.00					
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1971	1938 1947	1962 1966	1948 1956	1958 1963	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	21.45	14.30	16.00	8.00	13.90 15.50	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	148.40	150.30	107.94	89.00	81.10	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		174.00			81.10	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)		82.00				
COOLING PONDS ($1,000)			268.00	202.00		
COOLING TOWERS ($1,000)	344.10					

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	122.00	2.00		4.00		
COST OF CHEMICAL ADDITIVES ($1,000)	86.00	1.68	31.00	3.80		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	27.00	42.00		32.00		
COST OF CHEMICAL ADDITIVES ($1,000)	3.41	.55		4.70		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	LONG ISLAND LIGHTING CO.	LONG ISLAND LIGHTING CO.	LONG ISLAND LIGHTING CO.	LONG ISLAND LIGHTING CO.	LONG ISLAND LIGHTING CO.	
4 NAME OF PLANT	BARPETT	FAR ROCKAWAY	GLENWOOD	NORTHPORT	PORT JEFFERSON	
5 UTILITY-PLANT CODE	273000-0100	273000-0300	273000-0400	273000-0600	273000-0700	
6 STATE	NEW YORK	NEW YORK	NEW YORK	NEW YORK	NEW YORK	
7 COUNTY	NASSAU	QUEENS	NASSAU	SUFFOLK	SUFFOLK	
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	043 02	043 02	043 01	043 01	043 01	
9 PLANT CAPACITY (MW)	375.00	113.64	380.27	1,161.27	467.00	
10 ANNUAL GENERATION (MWH)[3]	1,848,500	349,200	740,700	7,012,800	2,482,900	
11 PLANT HEAT RATE (BTU/KWH)[3]	10,321	10,930	11,104	9,746	10,393	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)						
13 AVERAGE HEAT CONTENT (BTU/LB)						
14 AVERAGE SULFUR CONTENT (%)						
15 AVERAGE ASH CONTENT (%)						
16 AVERAGE MOISTURE CONTENT (%)						
17 OIL: CONSUMPTION (1,000 BARRELS)	3,061.00	602.00	1,361.00	10,958.00	4,140.00	
18 AVERAGE HEAT CONTENT (BTU/GAL)	142,082	143,091	141,384	148,498	147,934	
19 AVERAGE SULFUR CONTENT (%)	.30	.30	.30	2.45	2.11	
20 GAS: CONSUMPTION (1,000 MCF)	804.00	195.00	166.00			
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,026	1,025	1,026			

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	2	1	8	3	4	
23 - NO. OF WET BOTTOM						
24 - NO. WITH FLY ASH REINJECTION	1			3	2	
25 - NO. WITH MECHANICAL PRECIPITATORS	1			2		
26 - NO. WITH ELECTROSTATIC PRECIPITATORS			2	2		
27 - NO. WITH COMBINATION PRECIPITATORS[4]	1	1		1		
28 - NO. WITH DESULFURIZATION SYSTEMS			2		4	
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	15.00	12.00	12.00 15.00	6.00	25.00 26.00	
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	95.00			85.00		
31 TESTED, LOW - HIGH						
32 ESTIMATED, LOW - HIGH						
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	97.90					
34 TESTED, LOW - HIGH				98.00		
35 EST., LOW - HIGH				98.00		
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
37 TESTED, LOW - HIGH						
38 ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.02	.10	.23	.19	.70	
40 SULFUR DIOXIDE (1,000 TONS)	3.08	.60	1.37	90.06	29.30	
41 NITROGEN OXIDES (1,000 TONS)	6.91	1.36	3.03	24.16	9.13	
42 STACKS: - TOTAL NO.	2	1	8	3	3	
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	250.00 350.00	265.50	246.50 265.00	600.00	300.00 425.00	
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]				1.40	.40	
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]	.40			2.10	.80	
46 SOLD (1,000 TONS)[11]	.40			2.10	.80	
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	808.00		265.00	2,322.00		
51 ELECTROSTATIC PRECIPITATORS ($1,000)				4,336.00		
52 COMBINATION PRECIPITATORS ($1,000)[4]	838.00	629.00	1,322.00		2,030.00	
53 DESULFURIZATION SYSTEMS ($1,000)						
54 STACKS ($1,000)	572.00	166.00	375.00	3,984.00	1,409.00	
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)						
56 REVENUES FROM SALE OF ASH ($1,000)						
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]						
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)	16.00			906.00	115.00	

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	O HOG ISLAND CHA	O MUTT BASIN	O LONG ISL. SOUN	O LONG ISLAND SO	O HARBOR	
62 AVERAGE RATE OF WITHDRAWAL (CFS)	400.00	127.00	368.00	900.00	600.00	
63 AVERAGE RATE OF DISCHARGE (CFS)	400.00	127.00	368.00	900.00	600.00	
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]						
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	3.44	1.09	3.16	7.74	5.16	
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER						
67 AT OUTFALL, SUMMER - WINTER						
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER						
69 - WINTER						
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]						
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP						
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.25	1.50		1.75	.25	
73 LIME (TONS), COOLING WATER - BOILER MAKEUP		1.00			.20	
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP						
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75.00	32.00			61.00	
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES		YES	YES	
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	PS	ST	ST	ST	
78 RECEIVING WATER BODY[19]			O HEMPSTEAD HARB		O PORT JEFFERSON	
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING					9.00	
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING					50.00	
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN					840.00	
82 - ASH SETTLING						

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	2 375.00	1 113.64	4 350.00	3 1,125.00	4 460.00	
84 ONCE THROUGH COOLING (SALINE)						
85 COOLING POND(S)						
86 COOLING TOWER(S)						
87 COMBINATIONS[21]						
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1956 1963	1952	1930 1954	1967 1972	1948 1960	
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]		20.00	15.00 16.50	22.00	12.00	
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	434.00	127.00	590.00	988.50	632.38	
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	434.00	127.00	228.00	988.50	632.38	

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)	2,402.00	806.00	1,412.00	5,387.00	3,315.00	
93 COOLING PONDS ($1,000)						
94 COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	30.00		55.00	165.00	66.00	
96 COST OF CHEMICAL ADDITIVES ($1,000)	5.00				6.00	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	25.00		25.00	120.00	55.00	
98 COST OF CHEMICAL ADDITIVES ($1,000)	2.00			450.00	6.00	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	LOS ANGELES DEPT. OF WATER & POWER	LOS ANGELES DEPT. OF WATER & POWER	LOS ANGELES DEPT. OF WATER & POWER	LOS ANGELES DEPT. OF WATER & POWER	LOUISIANA POWER & LIGHT CO.	
NAME OF PLANT	HARBOR	HAYNES	SCATTERGOOD	VALLEY	LITTLE GYPSY	
UTILITY-PLANT CODE	274500-0700	274500-0800	274500-1200	274500-1600	275000-0160	
STATE	CALIFORNIA	CALIFORNIA	CALIFORNIA	CALIFORNIA	LOUISIANA	
COUNTY	LOS ANGELES	LOS ANGELES	LOS ANGELES	LOS ANGELES	ST. CHARLES	
AIR QUALITY CONTROL REGION NO. 1/ - WATER RESOURCE REGION NO. 2/	024 18	024 18	024 18	024 18	106 08	
PLANT CAPACITY (MW)	388.90	1,606.00	823.20	545.60	1,251.00	
ANNUAL GENERATION (MWH) 3/	199,400	7,071,700	1,688,300	957,100	7,511,800	
PLANT HEAT RATE (BTU/KWH) 3/	9,926	10,136	10,702	10,943	12,007	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)						
AVERAGE HEAT CONTENT (BTU/LB)						
AVERAGE SULFUR CONTENT (%)						
AVERAGE ASH CONTENT (%)						
AVERAGE MOISTURE CONTENT (%)						
OIL: CONSUMPTION (1,000 BARRELS)	248.00	10,734.00	1,207.00	981.00	35.48	
AVERAGE HEAT CONTENT (BTU/GAL)	140,914	145,904	143,973	140,731	141,112	
AVERAGE SULFUR CONTENT (%)	.50	.50	.48	.47	.13	
GAS: CONSUMPTION (1,000 MCF)	372.00	5,650.00	10,406.00	3,380.00	71,496.60	
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,046	1,044	1,035	1,055	1,055	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	5	6	3	4	3	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION			2	4		
- NO. WITH MECHANICAL PRECIPITATORS						
- NO. WITH ELECTROSTATIC PRECIPITATORS						
- NO. WITH COMBINATION PRECIPITATORS 4/						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER 5/	6.87 10.00	7.00 10.00	7.00 15.00	15.00	8.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			27.50	27.50		
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH			10.00	84.00 90.00		
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY 6/: DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
EST., LOW - HIGH						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS 7: PARTICULATE MATTER (1,000 TONS)	.04	1.80	.18	.02	.01	
SULFUR DIOXIDE (1,000 TONS)	.42	18.00	1.94	1.35	.02	
NITROGEN OXIDES (1,000 TONS)	.62	24.75	4.69	2.82	14.02	
STACKS: - TOTAL NO.	5	8	2	4	5	
- HEIGHT (FEET), LOWEST - HIGHEST 8/	247.00	240.00	300.00	250.00	161.50 182.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) 9/		2.00		.01		
TOTAL ASH: COLLECTED (1,000 TONS) 10/						
SOLD (1,000 TONS) 11/						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) 12/						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)			155.00	434.00		
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000) 4/						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	450.00	850.00	703.50	612.00	501.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		50.00	10.00	2.00		
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)		52.71	10.00	2.00		
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) 13/						
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	O PACIFIC	O PACIFIC	O PACIFIC	M	P MISSISSIPPI	
AVERAGE RATE OF WITHDRAWAL (CFS)	126.00	1,524.00	364.00	3.00	1,445.00	
AVERAGE RATE OF DISCHARGE (CFS)	125.00	1,511.00	361.00		1,445.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED 14	1.08 1.00	13.11 13.00	3.13 3.00	3.00	12.43 .05	
PEAK LOAD MONTH : SUMMER - WINTER 15/	JUL DEC	JUL DEC	JUL DEC	JUL DEC	SEP OCT	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	65.00 55.00	70.50 60.50	65.00 55.00		87.00 75.00	
AT OUTFALL, SUMMER - WINTER	78.00 62.00	94.00 84.00	87.50 70.00		106.00 94.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		22.20			282,000.00	
- WINTER		TIDAL			333,000.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O 16/	C	C	C	C	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.05	.23	.11	9.30 .93	.75	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.03	.08	.10	65.30	445.18	
LIME (TONS), COOLING WATER - BOILER MAKEUP					15.43	
ALUM (TONS), COOLING WATER - BOILER MAKEUP					.15 .08	
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	13.00	46.00	33.18	15.04		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES YES	YES	YES	YES YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT 18/	PS	SW	PS	PS	SW	
RECEIVING WATER BODY		O PACIFIC OCEAN			O SURFACE DRAINA	
POND DISCHARGE: 19/ PH, BOILER BLOWDOWN - ASH SETTLING						
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING						

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING 20/: ONCE THROUGH COOLING (FRESH)					3 1,250.90	
ONCE THROUGH COOLING (SALINE)	5 355.00	6 1,606.00	3 823.20			
COOLING POND(S)				4 545.60		
COOLING TOWER(S)						
COMBINATIONS 21/						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1943 1949	1962 1967	1958 1974	1954 1956	1961 1969	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST 22/	18.90 20.20	17.40 19.40	17.80 20.20	13.25 20.70	19.00 25.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	592.00	1,398.00	768.00	626.00	1,393.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	616.00	1,570.00	768.00		1,445.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	3,857.00	7,733.00	7,139.00		4,989.00	
COOLING PONDS ($1,000)				7,124.00		
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	467.00	115.40	30.00	95.00		
COST OF CHEMICAL ADDITIVES ($1,000)	2.60	8.00	3.30	11.74	.09	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	48.00	25.00	12.00	75.00		
COST OF CHEMICAL ADDITIVES ($1,000)	1.80	26.00	3.40	8.50	90.60	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	LOUISIANA POWER & LIGHT CO.	LOUISIANA POWER & LIGHT CO.	LOUISIANA POWER & LIGHT CO.	LOUISVILLE GAS & ELECTRIC CO.	LOUISVILLE GAS & ELECTRIC CO.	
4 NAME OF PLANT	NINE MILE	STERLINGTON	WATERFORD	CANE RUN	PADDYS RUN	
5 UTILITY-PLANT CODE	275000-0200	275000-0300	275000-0500	275500-0200	275500-0400	
6 STATE	LOUISIANA	LOUISIANA	LOUISIANA	KENTUCKY	KENTUCKY	
7 COUNTY	JEFFERSON	OUACHITA PARISH	ST. CHARLES	JEFFERSON	JEFFERSON	
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	106 08	019 08	106 08	078 05	078 05	
9 PLANT CAPACITY (MW)	1,917.00	292.00	890.00	1,017.00	337.50	
10 ANNUAL GENERATION (MWH)[3]	8,248,700	2,260,800	854,500	3,628,100	87,300	
11 PLANT HEAT RATE (BTU/KWH)[3]	10,187	10,127	11,173	10,141	16,159	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)				1,628.30	50.80	
13 AVERAGE HEAT CONTENT (BTU/LB)				11,161	11,164	
14 AVERAGE SULFUR CONTENT (%)				3.78	3.13	
15 AVERAGE ASH CONTENT (%)				12.89	13.28	
16 AVERAGE MOISTURE CONTENT (%)				9.19	9.05	
17 OIL: CONSUMPTION (1,000 BARRELS)	302.24	99.87	1,264.32			
18 AVERAGE HEAT CONTENT (BTU/GAL)	143,293	143,943	149,004			
19 AVERAGE SULFUR CONTENT (%)	.63	.51	.68			
20 GAS: CONSUMPTION (1,000 MCF)	78,673.90	14,495.00	1,481.90	434.90	99.60	
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,045	1,009	1,098	1,025	1,025	

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	5	2	2	6	6	
23 - NO. OF WET BOTTOM						
24 - NO. WITH FLY ASH REINJECTION						
25 - NO. WITH MECHANICAL PRECIPITATORS						
26 - NO. WITH ELECTROSTATIC PRECIPITATORS						
27 - NO. WITH COMBINATION PRECIPITATORS[4]				6	6	
28 - NO. WITH DESULFURIZATION SYSTEMS						
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]					1	
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	8.00 15.00	8.00	10.00	21.00 25.00	25.00	
31 TESTED, LOW - HIGH						
32 ESTIMATED, LOW - HIGH						
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH						
34 TESTED, LOW - HIGH				97.50 99.40	96.00 97.50	
35 EST., LOW - HIGH				97.50 99.50	98.10 99.50	
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH				98.00 99.50	98.00 99.10	
37 TESTED, LOW - HIGH					85.00	
38 ESTIMATED, LOW - HIGH					86.00	
					86.00	

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.05	.02	.21	1.87	.09	
40 SULFUR DIOXIDE (1,000 TONS)	.64	.16	2.88	120.64	3.12	
41 NITROGEN OXIDES (1,000 TONS)	16.01	3.04	3.08	14.74	.48	
42 STACKS: - TOTAL NO.	8	3	4	6	5	
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	150.00 185.50	125.00 150.00	189.00	257.00 518.00	235.00	
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]					1.13	
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]				209.90	6.50	
46 SOLD (1,000 TONS)[11]				37.00		
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
51 ELECTROSTATIC PRECIPITATORS ($1,000)				3,003.00	990.00	
52 COMBINATION PRECIPITATORS ($1,000)[6]						
53 DESULFURIZATION SYSTEMS ($1,000)					3,780.00	
54 STACKS ($1,000)	228.00	128.00		1,213.00	203.00	
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)				389.70	76.00	
56 REVENUES FROM SALE OF ASH ($1,000)				47.70		
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)					116.00	
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]				389.70	192.00	
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)				47.70		

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	R MISSISSIPPI	R OUACHITA	R MISSISSIPPI	R OHIO	R OHIO	
62 AVERAGE RATE OF WITHDRAWAL (CFS)	2,227.00	323.50	556.00	890.80	32.50	
63 AVERAGE RATE OF DISCHARGE (CFS)	2,227.00	320.80	938.50	890.80	32.50	
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	19.15 .05	2.78 2.70	8.22 17.50	7.66 .28		
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	SEP OCT	SEP OCT	SEP OCT	AUG DEC	AUG DEC	
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	85.00 74.00	85.00 71.00	89.00 73.00	84.00 50.00	82.00 44.00	
67 AT OUTFALL, SUMMER - WINTER	100.00 89.00	104.00 90.00	108.00 92.00	102.00 68.00	87.00 58.00	
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	282,000.00	5,725.00	282,000.00	34,560.00	23,800.00	
69 - WINTER	333,000.00	2,840.00	333,000.00	133,600.00	188,000.00	
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	C	C	C	H	C	
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.50			2.25	.13	
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	750.00	400.00	341.24	.35	.03	
73 LIME (TONS), COOLING WATER - BOILER MAKEUP						
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP	37.35	15.43				
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	.25 2.50	.23 .15	.02 .45	110.00	12.00	
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES	
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	SW	ST	OT	OT	OT	
78 RECEIVING WATER BODY[19]	O OITCH		R MISSISSIPPI		R OHIO	
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING					10.50 8.60	
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING				10.20	10.00 43.30	
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN				41.20	110.00	
82 - ASH SETTLING					11,000.00	

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	5 1,917.30	2 291.53	2 892.00	6 1,016.69	6 337.50	
84 ONCE THROUGH COOLING (SALINE)						
85 COOLING POND(S)						
86 COOLING TOWER(S)		1				
87 COMBINATIONS[21]						
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1951 1973	1943 1974	1975	1954 1969	1942 1952	
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	16.00 20.60	16.00 24.00	19.00	13.00 16.00	10.00	
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	2,220.00	292.00	912.00	1,253.70	632.80	
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	2,318.00	344.00	956.00	1,253.70	632.80	

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)	1,967.00	1,176.00		8,094.00	3,260.00	
93 COOLING PONDS ($1,000)						
94 COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)				90.00	67.00	
96 COST OF CHEMICAL ADDITIVES ($1,000)	.14	.13	.01	30.00	7.00	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)				333.60	33.00	
98 COST OF CHEMICAL ADDITIVES ($1,000)	136.10	34.00	69.20	13.50	8.00	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	LOUISVILLE GAS & ELEC CO	LOWER COLORADO RIVER AUTH.	LOWER COLORADO RIVER AUTH.	LUBBOCK, CITY OF	LUBBOCK, CITY OF
NAME OF PLANT	MILL CREEK	FERGUSON	GIDEON	HOLLY AVE	PLANT #2
UTILITY-PLANT CODE	275500-0600	277000-0400	277000-0800	278000-0100	278000-0300
STATE	KENTUCKY	TEXAS	TEXAS	TEXAS	TEXAS
COUNTY	JEFFERSON	LLANO	BASTROP	LUBBOCK	LUBBOCK
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[3]	070 05	212 12	212 12	211 12	211 12
PLANT CAPACITY (MW)	711.00	446.40	623.00	50.00	80.50
ANNUAL GENERATION (MWH)[2]	2,954,800	803,800	1,719,100	292,000	244,000
PLANT HEAT RATE (BTU/KWH)[3]	9,736	9,305	12,180	11,750	12,758

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	1,295.20					
AVERAGE HEAT CONTENT (BTU/LB)	11,025					
AVERAGE SULFUR CONTENT (%)	3.88					
AVERAGE ASH CONTENT (%)	14.03					
AVERAGE MOISTURE CONTENT (%)	8.98					
OIL: CONSUMPTION (1,000 BARRELS)			17.80	9.70	8.40	
AVERAGE HEAT CONTENT (BTU/GAL)			142,454	138,000	138,000	
AVERAGE SULFUR CONTENT (%)			.10	.30	.30	
GAS: CONSUMPTION (1,000 MCF)	155.40	7,405.00	19,928.00	3,298.00	3,469.00	
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,025	1,010	1,045	1,024	1,024	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	1	3	1	5	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS						
- NO. WITH ELECTROSTATIC PRECIPITATORS	2					
- NO. WITH COMBINATION PRECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	21.00	7.00	8.00 10.00	10.00	7.00 15.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	99.40					
TESTED, LOW - HIGH	99.50					
EST., LOW - HIGH	99.50					
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.77					
SULFUR DIOXIDE (1,000 TONS)	58.50		.01	.01	.01	
NITROGEN OXIDES (1,000 TONS)	11.69	1.44	3.93	.66	.65	
STACKS: - TOTAL NO.	1	1	3	1	5	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	615.00	184.50	154.00 177.00	94.50	45.00 56.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]	181.80					
SOLD (1,000 TONS)[11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)	3,195.00					
COMBINATION PRECIPITATORS ($1,000)[4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	2,253.00	30.00	31.91			
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	234.90					
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	234.90					
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	R OHIO	L JOHNSON	R COLORADO	M	M	
AVERAGE RATE OF WITHDRAWAL (CFS)	246.30	410.00	5.70	72.00	72.00	
AVERAGE RATE OF DISCHARGE (CFS)	243.10	410.00		10.00	10.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]		3.53	5.70	62.00	62.00	
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG OEC	AUG OEC	JUL OEC	SEP APR	SEP APR	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	88.00 44.00	88.00	88.00 62.00	72.00 62.00	72.00 62.00	
AT OUTFALL, SUMMER - WINTER	110.00 58.00	97.00	100.00 74.00	94.00 85.00	97.00 85.00	
AVE. FLOW IN RECEIVING BODY DUPING PEAK MONTH (CFS): SUMMER	35,100.00	1,500.00	638.00	1.27	.80	
- WINTER	188,000.00	750.00	959.00	1.12	.63	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	C		C	H	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.47	.43	.28	6.12 .08	6.00 .08	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP			.01	.07	.22	
LIME (TONS), COOLING WATER - BOILER MAKEUP	79.00		7.20			
ALUM (TONS), COOLING WATER - BOILER MAKEUP	.80	6.40	1.05			
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	44.00 .10	1.10 .05	30.00	.45	1.25	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES	YES	YES YES	YES YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT	OT	OT	SW	PS	
RECEIVING WATER BODY[19]	R OHIO	L JOHNSON	L BASTROP	O PRIVATE IRRIGA		
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	10.95 11.95					
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	18.60 18.60					
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING	7,900.00 7,900.00					

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	1 355.50	1 446.40				
ONCE THROUGH COOLING (SALINE)						
COOLING PONDS			3 623.00			
COOLING TOWERS	1 355.50			1 50.00	5 74.50	
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1972 1974	1952	1964	1965	1949 1958	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	23.35	15.00	9.97 15.34	14.00	15.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	579.40	615.00	933.00	78.66	190.23	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	289.70	615.00				

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	3,426.00	1,750.00				
COOLING PONDS ($1,000)			3,650.00			
COOLING TOWERS ($1,000)	800.00				537.70	

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	200.00	186.00	48.20			
COST OF CHEMICAL ADDITIVES ($1,000)	86.00	.12	7.20	15.00	30.00	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	155.00	27.20	37.40			
COST OF CHEMICAL ADDITIVES ($1,000)	47.00	17.00	10.00	2.70	5.30	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	MADISON GAS & ELECTRIC CO.	MAINE YANKEE ATOMIC PWR CO	MANITOWOC PUBLIC UTILS	MARQUETTE BPO OF LT & PWR	MARSHALL MUN UTILS	1
2							2
3							3
4	NAME OF PLANT	BLOUNT	MAINE YANKEE	MANITOWOC	SHIRAS	MARSHALL	4
5	UTILITY-PLANT CODE	283500-0100	285250-0100	287000-0100	292000-0500	293000-0100	5
6	STATE	WISCONSIN	MAINE	WISCONSIN	MICHIGAN	MISSOURI	6
7	COUNTY	DANE	LINCOLN	MANITOWOC	MARQUETTE	SALINE	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	240 07	107 01	237 04	126 04	071 10	8
9	PLANT CAPACITY (MW)	195.60	830.00	69.00	37.00	30.50	9
10	ANNUAL GENERATION (MWH)[3]	475,300	4,502,500	214,000	160,000	81,000	10
11	PLANT HEAT RATE (BTU/KWH)[3]	12,340	11,143	15,409	14,151	13,716	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	76.80		142.53	81.70	19.39		12
13	AVERAGE HEAT CONTENT (BTU/LB)	11,542		11,544	12,090	10,437		13
14	AVERAGE SULFUR CONTENT (%)	3.91		1.30	3.60	3.50		14
15	AVERAGE ASH CONTENT (%)	11.52		12.29	7.90	7.62		15
16	AVERAGE MOISTURE CONTENT (%)	8.30		7.45	7.70	16.00		16
17	OIL: CONSUMPTION (1,000 BARRELS)	.93				1.92		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	138,000				136,220		18
19	AVERAGE SULFUR CONTENT (%)	.30				.10		19
20	GAS: CONSUMPTION (1,000 MCF)	3,976.91			295.10	681.60		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,014			1,000	1,020		21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	9		5	2	5		22
23	- NO. OF WET BOTTOM	2						23
24	- NO. WITH FLY ASH REINJECTION			2		1		24
25	- NO. WITH MECHANICAL PRECIPITATORS	3		3	2	2		25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS							26
27	- NO. WITH COMBINATION PRECIPITATORS[4]	3						27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00 25.00		25.00 30.00	15.00	10.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	85.00		89.10 95.10	90.00 92.00	98.00		30
31	TESTED, LOW - HIGH					95.00		31
32	ESTIMATED, LOW - HIGH	85.00		89.00 95.00	90.00 92.00	85.00		32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	99.50						33
34	TESTED, LOW - HIGH							34
35	EST., LOW - HIGH	99.40						35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.09		2.12	.39	.68		39
40	SULFUR DIOXIDE (1,000 TONS)	5.89		3.62	5.81	1.33		40
41	NITROGEN OXIDES (1,000 TONS)	1.47		1.07	.67	.31		41
42	STACKS: - TOTAL NO.	6		1	1	3		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	90.00 250.00		250.00	250.50	111.00 162.50		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	8.70			5.90	.02		45
46	SOLD (1,000 TONS)[11]							46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	183.00		103.80				50
51	ELECTROSTATIC PRECIPITATORS ($1,000)							51
52	COMBINATION PRECIPITATORS ($1,000)[4]	3,220.00						52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	277.00		82.25	128.00			54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	94.00		38.88	2.20			55
56	REVENUES FROM SALE OF ASH ($1,000)							56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	94.00		36.88	7.80			59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	L MONONA	O MONTSWEAG BAY	L MICHIGAN	L SUPERIOR	M		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	145.00	769.00	60.60	30.30			62
63	AVERAGE RATE OF DISCHARGE (CFS)	144.00	769.00	60.60	30.30			63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.25 1.00	6.61	.52	.26			64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL JAN	AUG DEC	AUG DEC	JUL DEC			65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	82.00 43.00	76.00 48.00	57.00 41.00	65.30 38.00			66
67	AT OUTFALL, SUMMER - WINTER	104.00 64.00	99.00 78.00	74.00 58.00	78.90 68.00			67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	156.00	40,000.00	67.30				68
69	- WINTER	141.00	40,000.00	62.00				69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	C	C	C	H			70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.43		.33	.40			71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.25	83.76		.75			72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	14.68						73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	2.23						74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP							75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[4]	YES	YES	YES	YES			76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	OT	PS	PS	PS		77
78	RECEIVING WATER BODY[19]			L MICHIGAN				78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING			9.00	10.20 6.50			79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			2.00	20.00 6.00			80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN				102.13			81
82	- ASH SETTLING				49,100.00			82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	7 176.00		5 69.00	2 37.00			83
84	ONCE THROUGH COOLING (SALINE)		1 830.00					84
85	COOLING PONDS							85
86	COOLING TOWER(S)					3 26.50		86
87	COMBINATIONS[21]							87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1922 1961	1971	1935 1964	1967 1972	1948 1967		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	13.70 25.00	27.00	12.60 16.48	14.70 15.10	15.00		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	279.20	980.00	19.95	60.60	9.00		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	243.00	980.00		60.60			91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	1,711.00	12,000.00	538.00	240.00			92
93	COOLING PONDS ($1,000)							93
94	COOLING TOWERS ($1,000)					151.30		94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	32.00			17.40			95
96	COST OF CHEMICAL ADDITIVES ($1,000)		13.00		.50			96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	47.00			15.10			97
98	COST OF CHEMICAL ADDITIVES ($1,000)	15.00	29.80	21.46	1.70			98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	MAPLEFIELD ELEC & WTR	MAUI ELECTRIC CO.	MCPHERSON BD OF PUBLIC UTILS	MEDINA ELECTRIC COOP. INC.	MENASHA ELECTRIC & WTR UTILS	1
2							2
3							3
4	NAME OF PLANT	WILOWUOO	KAHULUI	MCPHERSON #2	PEARSALL	MENASHA	4
5	UTILITY-PLANT CCOE	294000-0100	296500-0100	298500-0200	299500-0100	301000-0100	5
6	STATE	WISCONSIN	HAWAII	KANSAS	TEXAS	WISCONSIN	6
7	COUNTY	W000	MAUI	MCPHERSON	FRIU	WINNEBAGO	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	238 07	060 22	096 10	217 12	237 04	8
9	PLANT CAPACITY (MW)	41.50	34.93	32.00	75.00	29.68	9
10	ANNUAL GENERATION (MWH)[3]	164,000	191,327	132,300	412,700	103,000	10
11	PLANT HEAT RATE (BTU/KWH)[3]	15,216	14,117	12,833	13,842	14,194	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	91.90				58.13		12
13	AVERAGE HEAT CONTENT (BTU/LB)	11,836				12,583		13
14	AVERAGE SULFUR CONTENT (%)	2.87				2.11		14
15	AVERAGE ASH CONTENT (%)	9.91				7.76		15
16	AVERAGE MOISTURE CONTENT (%)	10.38				6.67		16
17	OIL: CONSUMPTION (1,000 BARRELS)		427.90	14.83	.71			17
18	AVERAGE HEAT CONTENT (BTU/GAL)		150,736	151,123	144,000			18
19	AVERAGE SULFUR CONTENT (%)		1.25	1.50	.59			19
20	GAS: CONSUMPTION (1,000 MCF)	312.80		1,698.40	5,280.72			20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,023		950	1,082			21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	4	4	1	3	4		22
23	- NO. OF WET BOTTOM							23
24	- NO. WITH FLY ASH REINJECTION	2				4		24
25	- NO. WITH MECHANICAL PRECIPITATORS	2	4			4		25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS							26
27	- NO. WITH COMBINATION PRECIPITATORS[4]							27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00 20.00	20.00	35.00	7.00	30.10 38.30		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	85.00				75.00		30
31	TESTED, LOW - HIGH		98.00					31
32	ESTIMATED, LOW - HIGH		85.00					32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH							33
34	TESTED, LOW - HIGH							34
35	EST., LOW - HIGH							35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	1.98	.01			1.85		39
40	SULFUR DIOXIDE (1,000 TONS)	5.17	1.79			3.11		40
41	NITROGEN OXIDES (1,000 TONS)	.75	.94		1.03	.56		41
42	STACKS: - TOTAL NO.	4	4	1	3	4		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	150.00 235.00	100.00	75.00	68.00	83.00 92.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	9.05				4.06		45
46	SOLD (1,000 TONS)[11]							46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	21.00	53.75			2,310.00		50
51	ELECTROSTATIC PRECIPITATORS ($1,000)							51
52	COMBINATION PRECIPITATORS ($1,000)[4]							52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	38.00	117.00	25.00	24.00	6.50		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		3.80			8.25		55
56	REVENUES FROM SALE OF ASH ($1,000)							56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		3.80			8.25		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	O PRECIPITATION	W	W	LW	R FOX		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	100.00	63.50	.48	1.25	42.70		62
63	AVERAGE RATE OF DISCHARGE (CFS)	98.00	63.50	.16		42.70		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	2.00	.55	.32	1.25	.37		64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]		AUG DEC	JUL JAN				65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT CIVERSION, SUMMER - WINTER	100.00 70.00	73.00 73.00	56.00 56.00		80.00 38.00		66
67	AT OUTFALL, SUMMER - WINTER	100.00 70.00	96.00 94.00	80.00 60.00		92.00 58.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		58.50	.20		3,000.00		68
69	- WINTER		67.40	.15		5,000.00		69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	h	H	C	C	C		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.35	.40	.01	.01	.01		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		.70		2.17	.01		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	9.00			168.00			73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP			.30	2.85	.05		74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP			YES YES		YES		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP		YES	PS	ST			76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST		C TURKEY				77
78	RECEIVING WATER BODY[19]							78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		10.00					79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING							80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING							81
82								82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)					4 29.18		83
84	ONCE THROUGH COOLING (SALINE)		4 34.93					84
85	COOLING PONDS)	4 25.00						85
86	COOLING TOWERS)	1 16.50		1 27.20	3 66.00			86
87	COMBINATIONS[21]							87
88	COOLING SYSTEM, YEAR OF INSTALLATION: LOWEST SYSTEM - NEWEST SYSTEM	1948 1968	1948 1966	1963	1960	1949 1964		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	15.00	15.00	20.00	15.40	20.00		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	91.74	81.00	60.20	140.37	94.90		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		81.00			48.80		91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)		331.00					92
93	COOLING PONDS ($1,000)	36.00						93
94	COOLING TOWERS ($1,000)	65.00		100.00	608.22			94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)		3.20	18.60		.75		95
96	COST OF CHEMICAL ADDITIVES ($1,000)			12.00		.05		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	39.85	3.50	5.40		.12		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	14.33	3.00	6.00		.05		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	1	METRO EDISON CO.		METRO EDISON CO.		METRO EDISON CO.		METRO EDISON CO.. EDISON CO.		METRO EDISON CO..		1
2		2											2
3		3											3
4	NAME OF PLANT	4	CRAWFORD		EYLER		PORTLAND		THREE MILE ISLAND		TITUS		4
5	UTILITY-PLANT CODE	5	303500-0100		303500-0200		303500-0300		303500-0350		303500-0400		5
6	STATE	6	PENNSYLVANIA		PENNSYLVANIA		PENNSYLVANIA		PENNSYLVANIA		PENNSYLVANIA		6
7	COUNTY	7	DAUPHIN		BERKS		NORTHAMPTON		DAUPHIN		BERKS		7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	8	196	02	151	02	151	02	196	02	151	02	8
9	PLANT CAPACITY (MW)	9	116.70		84.00		426.70		871.00		225.00		9
10	ANNUAL GENERATION (MWH)[3]	10	202,200		3,000		2,221,300		5,541,600		1,158,800		10
11	PLANT HEAT RATE (BTU/KWH)[3]	11	13,634		51,438		9,993		10,862		10,440		11
	AIR QUALITY CONTROL DATA												
	FUEL CONSUMPTION DATA (ANNUAL)												
12	COAL: CONSUMPTION (1,000 TONS)	12	101.00				912.00				515.00		12
13	AVERAGE HEAT CONTENT (BTU/LB)	13	12,042				11,885				11,986		13
14	AVERAGE SULFUR CONTENT (%)	14	1.41				2.06				1.01		14
15	AVERAGE ASH CONTENT (%)	15	12.92				13.00				10.56		15
16	AVERAGE MOISTURE CONTENT (%)	16	6.81				7.60				8.10		16
17	OIL: CONSUMPTION (1,000 BARRELS)	17	56.20		26.10		91.00				31.40		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	18	139,737		140,772		137,445				137,664		18
19	AVERAGE SULFUR CONTENT (%)	19	.40		.83		.25				.33		19
20	GAS: CONSUMPTION (1,000 MCF)	20											20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	21											21
	PLANT EQUIPMENT DATA												
22	BOILERS: - TOTAL NO.	22	8		2		2				3		22
23	- NO. OF WET BOTTOM	23											23
24	- NO. WITH FLY ASH REINJECTION	24											24
25	- NO. WITH MECHANICAL PRECIPITATORS	25											25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26	2								3		26
27	- NO. WITH COMBINATION PRECIPITATORS[4]	27					2						27
28	- NO. WITH DESULFURIZATION SYSTEMS	28											28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	29	15.00	26.00	4.00		22.00				23.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30											30
31	TESTED, LOW - HIGH	31											31
32	ESTIMATED, LOW - HIGH	32											32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	33		99.00				99.00			98.50	98.70	33
34	TESTED, LOW - HIGH	34	85.00	85.40	76.80	78.40	97.90	98.50				96.60	34
35	EST., LOW - HIGH	35		90.00			98.20	98.40				96.60	35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36											36
37	TESTED, LOW - HIGH	37											37
38	ESTIMATED, LOW - HIGH	38											38
	PLANT OPERATING DATA AND COST OF EQUIPMENT												
39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	39	1.11				1.68				1.57		39
40	SULFUR DIOXIDE (1,000 TONS)	40	2.87		.07		36.90				10.23		40
41	NITROGEN OXIDES (1,000 TONS)	41	1.03		.06		8.41				4.70		41
42	STACKS: - TOTAL NO.	42	3		1		2				3		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	43	200.00		242.00		400.00				200.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	44	.01										44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	45	11.30				116.70				53.00		45
46	SOLD (1,000 TONS)[11]	46					23.90				2.82		46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47											47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]	48											48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49											49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50											50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51	120.00								3,840.00		51
52	COMBINATION PRECIPITATORS ($1,000)[4]	52					1,431.00						52
53	DESULFURIZATION SYSTEMS ($1,000)	53											53
54	STACKS ($1,000)	54	64.00		31.00		480.00				226.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55	161.00				805.60				684.22		55
56	REVENUES FROM SALE OF ASH ($1,000)	56					8.70				.70		56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57											57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58											58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	59	161.00				805.60				684.22		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60					8.70				.70		60
	WATER QUALITY CONTROL DATA												
61	COOLING WATER: SOURCE	61	R SUSQUEHANNA		R SCHUYLKILL		R DELAWARE		R SUSQUEHANNA		R SCHUYLKILL		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62	62.00		3.00		295.40		69.70		199.40		62
63	AVERAGE RATE OF DISCHARGE (CFS)	63	62.00		3.00		295.40		47.40		199.30		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	64	.53		.03		2.54		22.30		1.71	.10	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	65	AUG	DEC	AUG	DEC	AUG	DEC	AUG	DEC	AUG	DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66	84.00	45.00	75.00	45.00	82.00	43.00	89.40	41.90	79.00	46.00	66
67	AT OUTFALL, SUMMER - WINTER	67	102.00	72.00			100.00	65.00	91.10	52.70	100.00	67.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	68		7,455.00		2,784.00		3,560.00		8,655.00		1,000.00	68
69	- WINTER	69		34,340.00		1,576.00		7,840.00		32,800.00		1,200.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	70	C		H		C		C		C		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71		1.16		.04					.50		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72		.17				95.99		156.00			72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73											73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74		6.42				3.00			34.83	1.17	74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75	10.75	1.25	.35		31.20		37.00	1.00	66.60		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	76		YES		YES		YES	YES	YES	YES	YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	77	PS		PS		OT		ST		OT		77
78	RECEIVING WATER BODY[19]	78					R DELAWARE				R SCHUYLKILL		78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	79			8.00		8.86	8.66				6.50	79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80			228.00		114.00	114.00				222.00	80
81	VOLUME (1,000 CUBT/YR), BOILER BLOWDOWN	81				123.00		134.95					81
82	- ASH SETTLING	82						19,921.00				80,208.00	82
	COOLING FACILITY DATA												
83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	83	3	113.00	2	62.00	2	426.70			3	225.00	83
84	ONCE THROUGH COOLING (SALINE)	84											84
85	COOLING POND(S)	85											85
86	COOLING TOWER(S)	86							1	871.00			86
87	COMBINATIONS[21]	87											87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88	1924	1947	1919	1923	1958	1962		1974	1951	1953	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	89	10.00	18.00	15.00	19.00	15.00	19.00		24.00		20.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90		362.00		145.00		468.00		958.90		240.60	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91		364.00		148.00		486.00				246.60	91
	CAPITAL COSTS OF COOLING FACILITIES												
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92		776.00		428.00		3,447.00				1.15	92
93	COOLING PONDS ($1,000)	93											93
94	COOLING TOWERS ($1,000)	94								11,960.00			94
	ANNUAL COOLING WATER EXPENSES												
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95											95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96											96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES												
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97											97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98											98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	1. MICHIGAN STATE UNIVERSITY	MILLSTONE POINT COMPANY	MINDEN LT & WTR DEPT	MINNESOTA POWER & LIGHT CO.	MINNESOTA POWER & LIGHT CO.
2		2				
3		3				
4	NAME OF PLANT	PLANT #65	MILLSTONE #1	MINDEN	AURORA	BOSWELL
5	UTILITY-PLANT CODE	304500-0100	305800-0100	306000-0100	307000-0100	307000-0300
6	STATE	MICHIGAN	CONNECTICUT	LOUISIANA	MINNESOTA	MINNESOTA
7	COUNTY	INGHAM	NEW LONDON	WEBSTER	ST. LOUIS	ITASCA
8	AIR QUALITY CONTROL REGION NO. 1/ - WATER RESOURCE REGION NO. 2/	125 04	041 01	022 11	129 04	129 07
9	PLANT CAPACITY (MW)	40.00	1,571.40	25.00	116.00	460.00
10	ANNUAL GENERATION (MWH) 3/	152,000	4,049,000	69,000	463,700	2,961,400
11	PLANT HEAT RATE (BTU/KWH) 3/	28,968		13,628	13,195	9,695

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	101.70			373.20	1,644.40	12
13	AVERAGE HEAT CONTENT (BTU/LB)	12,721			8,164	8,534	13
14	AVERAGE SULFUR CONTENT (%)	.73			1.14	1.04	14
15	AVERAGE ASH CONTENT (%)	10.31			9.81	9.21	15
16	AVERAGE MOISTURE CONTENT (%)	4.65			27.13	25.25	16
17	OIL: CONSUMPTION (1,000 BARRELS)			15.37	4.00	9.20	17
18	AVERAGE HEAT CONTENT (BTU/GAL)			138,000	148,772	137,000	18
19	AVERAGE SULFUR CONTENT (%)			.25	1.56	.35	19
20	GAS: CONSUMPTION (1,000 MCF)	1,820.70		848.63			20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,000		1,000			21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	3		2	2	3	22
23	- NO. OF WET BOTTOM						23
24	- NO. WITH FLY ASH REINJECTION					2	24
25	- NO. WITH MECHANICAL PRECIPITATORS						25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	1					26
27	- NO. WITH COMBINATION PRECIPITATORS 4/	2					27
28	- NO. WITH DESULFURIZATION SYSTEMS				2	1	28
29	- EXCESS AIR USED (%). LOWEST BOILER - HIGHEST BOILER 5/	22.00 31.00		8.00	18.00	20.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH					85.50	30
31	TESTED, LOW - HIGH						31
32	ESTIMATED, LOW - HIGH				98.70	85.50	32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY 6/: DESIGN, LOW - HIGH	97.00 99.80					33
34	TESTED, LOW - HIGH	99.84					34
35	EST., LOW - HIGH						35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH				98.70 98.80	98.70	36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH				15.00	15.00	38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS 7/: PARTICULATE MATTER (1,000 TONS)	.14			.32	101.32	39
40	SULFUR DIOXIDE (1,000 TONS)	1.45		.01	8.12	33.53	40
41	NITROGEN OXIDES (1,000 TONS)	1.27		.20	3.37	14.82	41
42		2		2	1	2	42
43	STACKS: - TOTAL NO.	275.00		60.00	300.00 250.00	400.00	43
44	- HEIGHT (FEET), LOWEST - HIGHEST 8/						44
45	COMBUSTION CYCLE ADDITIVES (1,000 TONS) 9/	9.13			30.20	163.30	45
46	TOTAL ASH: COLLECTED (1,000 TONS) 10/						46
47	SOLD (1,000 TONS) 11/						47
48	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						48
49	EQUIVALENT OF ACID COLLECTED (1,000 TONS) 12/						49
50	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)					88.00	50
51	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	555.00					51
52	ELECTROSTATIC PRECIPITATORS ($1,000)	150.00					52
53	COMBINATION PRECIPITATORS ($1,000) 4/				6,432.00	5,433.00	53
54	DESULFURIZATION SYSTEMS ($1,000)	549.00			385.00	1,158.00	54
55	STACKS ($1,000)	11.15			30.00	181.00	55
56	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)						56
57	REVENUES FROM SALE OF ASH ($1,000)						57
58	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						58
59	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						59
60	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) 13/	11.15			868.20	181.00	60
61	TOTAL BYPRODUCT SALES REVENUES ($1,000)						61

WATER QUALITY CONTROL DATA

62	COOLING WATER: SOURCE	M	O NIANTIC BAY	M	L COLBY	R MISSISSIPPI	62
63	AVERAGE RATE OF WITHDRAWAL (CFS)	.47	1,000.00	.23	191.90	171.30	63
64	AVERAGE RATE OF DISCHARGE (CFS)	.09	1,000.00	.13	191.90	162.70	64
65	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED 14/	.38	8.60	.09	1.65	8.60	65
66	PEAK LOAD MONTH : SUMMER - WINTER 15/		JUL OEC	JAN OEC	AUG OEC	AUG OEC	66
67	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER		71.00 52.00	70.00 70.00	86.00 43.00	82.00 42.00	67
68	AT OUTFALL, SUMMER - WINTER		97.00 72.00	102.00 92.00	97.00 56.00	95.00 66.00	68
69	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		126,000.00	.29	37.80	2,833.00	69
70	- WINTER		126,000.00	.14	38.80	1,740.00	70
71	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O 16/	C	H	C	C	C	71
72	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.25		.01	1.11	2.00	72
73	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		94.50	.04	.63	106.90	73
74	LIME (TONS), COOLING WATER - BOILER MAKEUP				10.61		74
75	ALUM (TONS), COOLING WATER - BOILER MAKEUP		260.00	.75	.50 .78	28.00 .30	75
76	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP 17/	YES YES	YES	YES	YES	YES YES	76
77	OTHER (YES/NO),	PS	ST	PS	S1		77
78	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT 18/			C MILE	O ASH SETTL POND		78
79	RECEIVING WATER BODY				4.22 4.22		79
80	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING				2.40 2.40		80
81	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						81
82	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING						82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING 20/: ONCE THROUGH COOLING (FRESH)				2 116.00	2 150.00	83
84	ONCE THROUGH COOLING (SALINE)		2 1,571.40				84
85	COOLING POND(S)						85
86	COOLING TOWER(S)	2 25.00		2 25.00		1 30.50	86
87	COMBINATIONS 21/						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1965	1968 1974	1966 1968	1953	1958 1973	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST 22/	20.20	21.30 23.25	15.00	15.20	13.50 28.90	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	48.00	2,155.00	60.00	210.20	480.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		2,210.00		210.00	240.00	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)				428.00	1,200.00	92
93	COOLING PONDS ($1,000)						93
94	COOLING TOWERS ($1,000)	127.70		141.00		909.00	94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	10.00	100.00	5.00	3.00	100.00	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	10.30	41.00	5.00	1.00	71.10	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	36.00	28.00	1.00	16.00	27.50	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	17.10	10.00	1.00	5.70	70.70	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	MINNESOTA POWER & LIGHT CO.	MINNKOTA POWER COOP.	MISSISSIPPI POWER CO.	MISSISSIPPI POWER CO.	MISSISSIPPI POWER CO.	
4 NAME OF PLANT	HIBBARD	YOUNG	EATON	SWEATT	WATSON	
5 UTILITY-PLANT CODE	307000-0700	307500-0550	308000-0100	308000-0300	308000-0400	
6 STATE	MINNESOTA	NORTH DAKOTA	MISSISSIPPI	MISSISSIPPI	MISSISSIPPI	
7 COUNTY	ST. LOUIS	OLIVER	FORREST	LAUDERDALE	HARRISON	
8 AIR QUALITY CONTROL REGION NO. 1/ - WATER RESOURCE REGION NO. 2/	129 04	172 10	005 03	005 03	005 03	
9 PLANT CAPACITY (MW)	124.50	256.50	77.63	136.85	1,215.35	
10 ANNUAL GENERATION (MWH) 3/	166,300	1,752,100	70,000	222,100	3,998,700	
11 PLANT HEAT RATE (BTU/KWH) 3/	16,390	10,967	16,958	14,409	10,080	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)		1,470.03			1,371.50		12
13	AVERAGE HEAT CONTENT (BTU/LB)		6,513			11,602		13
14	AVERAGE SULFUR CONTENT (%)		.68			2.83		14
15	AVERAGE ASH CONTENT (%)		8.90			9.60		15
16	AVERAGE MOISTURE CONTENT (%)		36.94			10.59		16
17	OIL: CONSUMPTION (1,000 BARRELS)	364.40	11.52	188.80	301.96	860.10		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	150,453	140,000	149,773	148,852	138,000		18
19	AVERAGE SULFUR CONTENT (%)	1.50	.30	2.00	1.97	.50		19
20	GAS: CONSUMPTION (1,000 MCF)	423.60		1.75	1,225.70	3,364.10		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,011		1,000	1,069	1,037		21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	4	1	3	2	5		22
23	- NO. OF WET BOTTOM		1					23
24	- NO. WITH FLY ASH REINJECTION							24
25	- NO. WITH MECHANICAL PRECIPITATORS	4	1					25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS					2		26
27	- NO. WITH COMBINATION PRECIPITATORS 4/							27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER 5/	26.60 26.80	12.00	10.00	17.00	11.00 20.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30.20 85.80	70.00					30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH	30.20 85.00						32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY 6/: DESIGN, LOW - HIGH					98.00 99.00		33
34	TESTED, LOW - HIGH		99.00			97.20 97.30		34
35	EST., LOW - HIGH					97.20 97.30		35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS 7/: PARTICULATE MATTER (1,000 TONS)	.02	.05	.03	.05	3.27		39
40	SULFUR DIOXIDE (1,000 TONS)	1.83	19.60	1.27	2.00	77.52		40
41	NITROGEN OXIDES (1,000 TONS)	.89	40.45	.42	.90	14.90		41
42	STACKS: - TOTAL NO.	3	1	2	1	5		42
43	- HEIGHT (FEET), LOWEST - HIGHEST 8/	218.00 331.00	300.00	125.00	175.00	169.00 400.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) 9/							44
45	TOTAL ASH: COLLECTED (1,000 TONS) 10/		130.50			130.80		45
46	SOLD (1,000 TONS) 11/							46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) 12/							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	63.00	220.00					50
51	ELECTROSTATIC PRECIPITATORS ($1,000)					2,121.70		51
52	COMBINATION PRECIPITATORS ($1,000) 4/							52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	95.00	368.00	39.00	49.00	1,088.50		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		40.57			316.00		55
56	REVENUES FROM SALE OF ASH ($1,000)							56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) 13/		40.57			316.00		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	P ST LOUIS	C SQUARE BUTTE	R LEAF	M	O BILOXI BAY EST		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	169.30	3.72	173.80		771.50		62
63	AVERAGE RATE OF DISCHARGE (CFS)	169.30		173.80		755.90		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED 14/	1.46	3.72	1.49		15.60		64
65	PEAK LOAD MONTH : SUMMER - WINTER 15/	AUG DEC	OCT FEB	AUG DEC	AUG DEC	AUG DEC		65
66	MAX. TEMP. OUPING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	81.00 34.00	67.30 49.00	84.00 54.00		85.40 62.00		66
67	AT OUTFALL, SUMMER - WINTER	89.00 46.00	84.30 67.50	105.00 72.00		94.30 76.50		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	1,130.00		2,870.00		2,950.00		68
69	- WINTER	1,193.00		1,840.00		860.00		69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O 16/	H	H	C		C		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS) COOLING WATER - BOILER MAKEUP	.85	.90	.05	.05	.35		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		23.65	.36	2.56	.41 21.09		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP		135.00					73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP		27.58					74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	12.00	11.25	35.00				75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP 17/	YES	YES	YES	YES YES	YES YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT 18/	PS	OT	PS	OT	ST		77
78	RECEIVING WATER BODY 19/		L NELSON					78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING					9.00		79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING							80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							81
82	- ASH SETTLING							82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING 20: ONCE THROUGH COOLING (FRESH)	4 122.50		3 77.64				83
84	ONCE THROUGH COOLING (SALINE)					3 296.30		84
85	COOLING PONDS)		1 256.50					85
86	COOLING TOWERS)				2 95.00			86
87	COMBINATIONS) 21/					2 877.20		87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1931 1951	1967	1945 1949	1951 1953	1957 1973		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST 22/	15.00 26.00	20.00	13.80	15.70	13.70 30.00		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	365.20	244.00	171.00	145.60	1,035.00		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	366.00		177.00		1,135.20		91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	408.00		248.00		5,860.40		92
93	COOLING PONDS ($1,000)		850.00					93
94	COOLING TOWERS ($1,000)				739.00			94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	60.00	24.00	15.70	22.70	229.00		95
96	COST OF CHEMICAL ADDITIVES ($1,000)	2.60		.90	27.90	140.10		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	30.00	42.00	34.30	30.00	258.00		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	5.40		12.00	9.00	36.60		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	MISSISSIPPI POWER & LIGHT CO.	MISSISSIPPI POWER & LIGHT CO.	MISSISSIPPI POWER & LIGHT CO.	MISSISSIPPI POWER & LIGHT CO.	MISSISSIPPI POWER & LIGHT CO.	1
2							2
3							3
4	NAME OF PLANT	WILSON	DELTA	ANDRUS	NATCHEZ	BROWN	4
5	UTILITY-PLANT CODE	308500-0100	308500-0300	308500-0350	308500-0400	308500-0500	5
6	STATE	MISSISSIPPI	MISSISSIPPI	MISSISSIPPI	MISSISSIPPI	MISSISSIPPI	6
7	COUNTY	WARREN	BOLIVAR	WASHINGTON	ADAMS	HINDS	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	005 08	134 08	134 08	005 08	005 08	8
9	PLANT CAPACITY (MW)	1,327.60	220.50	781.47	66.00	383.20	9
10	ANNUAL GENERATION (MWH)[3]	2,177,600	377,800	2,232,500	107,800	1,027,800	10
11	PLANT HEAT RATE (BTU/KWH)[3]	10,842	12,320	9,711	13,748	11,749	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)							12
13	AVERAGE HEAT CONTENT (BTU/LB)							13
14	AVERAGE SULFUR CONTENT (%)							14
15	AVERAGE ASH CONTENT (%)							15
16	AVERAGE MOISTURE CONTENT (%)							16
17	OIL: CONSUMPTION (1,000 BARRELS)	2,380.10	727.16	3,431.20	183.35	366.01		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	147,845	153,144	150,812	152,911	151,548		18
19	AVERAGE SULFUR CONTENT (%)	2.09	2.51	2.05	2.52	2.33		19
20	GAS: CONSUMPTION (1,000 MCF)	8,182.00	9.59		320.59	9,332.54		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,026	1,013		449	1,045		21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	2	2	1	1	4		22
23	- NO. OF WET BOTTOM							23
24	- NO. WITH FLY ASH REINJECTION							24
25	- NO. WITH MECHANICAL PRECIPITATORS							25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS							26
27	- NO. WITH COMBINATION PRECIPITATORS[4]							27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	6.00 8.00	1.50	7.00	17.00	8.00 17.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH							32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH							33
34	TESTED, LOW - HIGH							34
35	EST., LOW - HIGH							35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.40	.12	.58	.03	.06		39
40	SULFUR DIOXIDE (1,000 TONS)	10.69	6.12	23.60	1.55	2.86		40
41	NITROGEN OXIDES (1,000 TONS)	6.84	1.61	7.57	.47	2.63		41
42	STACKS: - TOTAL NO.	3	4	1	2	4		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	236.00	130.00	499.00	141.00	150.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]		.02					44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]							45
46	SOLD (1,000 TONS)[11]							46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							50
51	ELECTROSTATIC PRECIPITATORS ($1,000)							51
52	COMBINATION PRECIPITATORS ($1,000)							52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)		60.00	1,226.60	33.00	92.29		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)							55
56	REVENUES FROM SALE OF ASH ($1,000)							56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		6.52					59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	R MISSISSIPPI	O PONO	R MISSISSIPPI	R	R PEACH		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	1,027.00	1.91	431.00	4.46			62
63	AVERAGE RATE OF DISCHARGE (CFS)	1,027.00		403.20				63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	8.83	1.91	3.71 27.80	4.46			64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL JAN		AUG JAN				65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	90.00 47.00		85.00 49.00				66
67	AT OUTFALL, SUMMER - WINTER	113.00 70.00		121.00 89.00				67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	495,548.00		303,258.00				68
69	- WINTER	913,355.00		886,387.00				69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C		C		H		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		1.79			.50		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	320.11	5.75	311.95		39.66		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP				74.50			73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP							74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	1.08	2.47	18.25	.60	11.03		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT	ST	OT	YES	PS		77
78	RECEIVING WATER BODY[19]	R MISSISSIPPI		R MISSISSIPPI	C ST. CATHERINE			78
79	PONO DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING							79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING							80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							81
82	- ASH SETTLING							82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	2 1,327.60		1 781.47				83
84	ONCE THROUGH COOLING (SALINE)					2 304.70		84
85	COOLING PONDS					2 78.50		85
86	COOLING TOWERS				1 66.00			86
87	COMBINATIONS[21]		2 220.50					87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1966 1971	1953	1974	1951	1949 1959		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	28.00 28.30	12.00	37.50	14.00	15.60 24.70		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	896.00	308.00	403.20	109.20	508.90		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	916.00		431.00				91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	6,190.20		6,545.00				92
93	COOLING PONDS ($1,000)		595.50			1,216.00		93
94	COOLING TOWERS ($1,000)		17.18		250.00	485.60		94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	100.00	119.64	402.30	50.00	354.60		95
96	COST OF CHEMICAL ADDITIVES ($1,000)		1.28	7.30	30.35	3.30		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	20.00	33.34	22.00	2.00	6.50		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	61.90	7.04	45.10	2.09	11.90		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	MISSOURI PUBLIC SERVICE CO.	MISSOURI PUBLIC SERVICE CO.	MONONGAHELA (ALLEGHENY) POWER CO.	MONONGAHELA (ALLEGHENY) POWER CO.	MONONGAHELA (ALLEGHENY) POWER CO.	
4 NAME OF PLANT	GREEN	SIBLEY	ALBRIGHT	FORT MARTIN	RIVESVILLE	
5 UTILITY-PLANT CODE	309500-0400	309500-0700	311000-0100	311000-0200	311000-0300	
6 STATE	MISSOURI	MISSOURI	WEST VIRGINIA	WEST VIRGINIA	WEST VIRGINIA	
7 COUNTY	CASS	JACKSON	PRESTON	MONONGALIA	MARION	
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	094 10	094 10	235 05	235 05	235 05	
9 PLANT CAPACITY (MW)	49.50	518.50	278.25	1,152.00	109.75	
10 ANNUAL GENERATION (MWH)[3]	83,000	1,864,200	1,342,400	7,427,400	416,100	
11 PLANT HEAT RATE (BTU/KWH)[3]	15,136	10,792	11,443	9,457	13,118	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)	12.70	840.00	656.60	2,901.00	215.20	
13 AVERAGE HEAT CONTENT (BTU/LB)	12,034	12,094	11,678	12,075	12,346	
14 AVERAGE SULFUR CONTENT (%)	3.78	3.76	2.11	2.77	2.36	
15 AVERAGE ASH CONTENT (%)	12.43	12.70	14.19	14.04	13.21	
16 AVERAGE MOISTURE CONTENT (%)	6.94	7.12	7.33	5.65	4.22	
17 OIL: CONSUMPTION (1,000 BARRELS)			6.27	11.26	1.08	
18 AVERAGE HEAT CONTENT (BTU/GAL)			139,000	141,000	141,000	
19 AVERAGE SULFUR CONTENT (%)			.25	.25	.25	
20 GAS: CONSUMPTION (1,000 MCF)	939.00				269.08	
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,014				510	

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	2	3	3	2	2	
23 - NO. OF WET BOTTOM		3				
24 - NO. WITH FLY ASH REINJECTION						
25 - NO. WITH MECHANICAL PRECIPITATORS	2		2		2	
26 - NO. WITH ELECTROSTATIC PRECIPITATORS		3	3	2	2	
27 - NO. WITH COMBINATION PRECIPITATORS[4]						
28 - NO. WITH OESULFURIZATION SYSTEMS						
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	17.00	15.00	20.00	20.00	25.00 30.00	
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	94.60		83.60			
31 TESTED, LOW - HIGH	67.00					
32 ESTIMATED, LOW - HIGH	65.00					
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH		99.00 99.30	99.70	99.00	99.70	
34 TESTED, LOW - HIGH		93.40 98.60	99.80	99.40	99.80 99.90	
35 EST., LOW - HIGH		97.00	99.50	19.40 99.00		
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
37 TESTED, LOW - HIGH						
38 ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.47	.61	.27	145.17	.04	
40 SULFUR DIOXIDE (1,000 TONS)	.94	61.90	27.16	157.51	9.96	
41 NITROGEN OXIDES (1,000 TONS)	.30	23.10	5.92	26.13	1.99	
42 STACKS: - TOTAL NO.	2	1	3	2	4	
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	150.00	700.00	166.00 225.00	550.00	152.00	
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]	1.71	109.40	110.80	437.60	48.70	
46 SOLD (1,000 TONS)[11]		3.00	1.60	10.10		
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	75.00		424.00		371.00	
51 ELECTROSTATIC PRECIPITATORS ($1,000)		3,507.00	8,928.00	4,121.00	5,767.00	
52 COMBINATION PRECIPITATORS ($1,000)[4]						
53 DESULFURIZATION SYSTEMS ($1,000)						
54 STACKS ($1,000)	40.00	1,132.00	202.00	1,531.00	16.00	
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	5.25	208.00	58.80	293.20	104.00	
56 REVENUES FROM SALE OF ASH ($1,000)		1.50	.80	8.40		
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	5.25	241.00	88.50	300.00	126.30	
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)		1.50	.80	8.40		

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	L	R MISSOURI	R CHEAT	R MONONGAHELA	R MONONGAHELA	
62 AVERAGE RATE OF WITHDRAWAL (CFS)	.25	462.00	265.00	19.20	102.35	
63 AVERAGE RATE OF DISCHARGE (CFS)		462.00	264.50	9.55	102.30	
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.25	3.97	2.28 1.40	9.65	.88 .09	
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL OEC	JUL OEC	AUG OEC	AUG OEC	AUG OEC	
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER		85.00 45.00	80.00 47.00		82.00 46.00	
67 AT OUTFALL, SUMMER - WINTER		106.00 68.00	102.00 69.00		103.00 67.00	
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER			898.00	3,350.00	2,380.00	
69 - WINTER		37,000.00	3,460.00	6,429.00	6,010.00	
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]		C	O	C	H	
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.68	.42	.10		.20	
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		231.35	68.29	53.00 197.00	68.99	
73 LIME (TONS), COOLING WATER - BOILER MAKEUP		97.38				
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP			5.90	383.00	1.30	
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP		11.15	.53	19.00 6.03	.33	
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES YES	
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS/ST	ST	ST	OT	PS	
78 [19] RECEIVING WATER BODY		R CHEAT	R MONONGAHELA			
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	8.00	7.20				
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						
81 VOLUME (1,000 CUBT/YR), BOILER BLOWDOWN						
82 - ASH SETTLING		7,250.00				

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		3 518.50	3 304.00		2 142.00	
84 ONCE THROUGH COOLING (SALINE)						
85 COOLING PONDS						
86 COOLING TOWER(S)	2 49.50			2 1,102.00		
87 COMBINATIONS[21]						
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1954 1958	1960 1969	1952 1954	1967 1968	1944 1951	
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	18.00	17.50 19.20	22.00	24.00	18.00 23.00	
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	80.00	526.00	341.90	1,114.00	184.80	
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		526.00	341.90		184.80	

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)			965.00		216.00	
93 COOLING PONDS ($1,000)						
94 COOLING TOWERS ($1,000)	452.00		710.00	9,724.00		

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	9.30	41.30	142.90	764.00	58.80	
96 COST OF CHEMICAL ADDITIVES ($1,000)	9.60			16.00	3.00	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	33.70	21.70	30.30	59.80	20.30	
98 COST OF CHEMICAL ADDITIVES ($1,000)	3.20	61.20	16.20	108.10	16.10	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILIT	MONONGAHELA (ALLEGHENY) POWER CO.	MONONGAHELA (ALLEGHENY) POWER CO.	MONROE, CITY OF	MONTANA-DAKOTA UTIL. CO.	MONTANA-DAKOTA UTIL. CO.	
NAME OF PLANT	WILLOW ISLAND	HARRISON	MUNROE	HESKETT	LEWIS & CLARK	
UTILITY-PLANT CODE	311000-0400	311000-0500	312000-0100	313000-0500	313000-0900	
STATE	WEST VIRGINIA	WEST VIRGINIA	LOUISIANA	NORTH DAKOTA	MONTANA	
COUNTY	PLEASANTS	HARRISON	OUACHITA	MORTON	RICHLAND	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	179 05	235 05	019 08	172 10	143 10	
PLANT CAPACITY (MW)	215.00	2,052.00	165.99	100.00	50.00	
ANNUAL GENERATION (MWH)[3]	862,300	11,313,900	479,000	490,000	317,300	
PLANT HEAT RATE (BTU/KWH)[3]	10,849	9,684	17,490	13,923	12,718	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	433.50	4,525.90		427.70	299.90	
AVERAGE HEAT CONTENT (BTU/LB)	10,707	12,073		7,010	6,458	
AVERAGE SULFUR CONTENT (%)	2.58	2.61		.64	.59	
AVERAGE ASH CONTENT (%)	20.94	13.98		6.61	8.95	
AVERAGE MOISTURE CONTENT (%)	5.72	4.91		35.83	37.44	
OIL: CONSUMPTION (1,000 BARRELS)	5.57		487.00			
AVERAGE HEAT CONTENT (BTU/GAL)	141,000		135,000			
AVERAGE SULFUR CONTENT (%)	.25		.10			
GAS: CONSUMPTION (1,000 MCF)		42.05	5,573.46	78.10	161.20	
AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,000	1,000	1,054	1,026	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	3	7	2	1	
- NO. OF WET BOTTOM	1					
- NO. WITH FLY ASH REINJECTION	1			2		
- NO. WITH MECHANICAL PRECIPITATORS	1			2	1	
- NO. WITH ELECTROSTATIC PRECIPITATORS	2	3		1		
- NO. WITH COMBINATION PRECIPITATORS[4]				1		
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00	25.00	4.50 8.00	25.00 30.00	25.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	85.00			88.00 90.00	85.70	
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH				88.00 90.00	99.70	
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	90.00 99.70	99.50		97.00 99.00		
TESTED, LOW - HIGH	73.00	98.30 98.90				
EST., LOW - HIGH	73.00 99.50			99.00 99.60		
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	2.10	7.62	.08	2.08	.07	
SULFUR DIOXIDE (1,000 TONS)	21.93	231.53	.16	5.37	3.47	
NITROGEN OXIDES (1,000 TONS)	9.99	40.77	2.16	3.22	2.73	
STACKS: - TOTAL NO.	2	2	7	4	2	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	138.00 216.00	1,000.00	65.00 80.00	125.00 300.00	200.00 250.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	11.30					
TOTAL ASH: COLLECTED (1,000 TONS)[10]	85.40	720.80		27.00	24.30	
SOLD (1,000 TONS)[11]		26.90			1.80	
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	120.00			95.60	49.00	
ELECTROSTATIC PRECIPITATORS ($1,000)	3,782.00	7,425.00		2,404.20		
COMBINATION PRECIPITATORS ($1,000)[4]				4,324.60		
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	156.00	8,034.00		1,086.40	286.50	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	35.30	333.40		74.90	36.10	
REVENUES FROM SALE OF ASH ($1,000)		25.70			1.80	
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	39.50	391.40		74.90	3,505.20	
TOTAL BYPRODUCT SALES REVENUES ($1,000)		25.70			1.80	

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	R OHIO	R WESTFORK	R OUACHITA	R MISSOURI	R YELLOWSTONE	
AVERAGE RATE OF WITHDRAWAL (CFS)	170.00	37.65	163.00	43.20	40.00	
AVERAGE RATE OF DISCHARGE (CFS)	169.83	20.20	163.00	43.10	39.90	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.40 1.15	17.45	1.40	.37 .10	.34 .10	
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC	SEP DEC	JUL DEC	JUL DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	84.00 43.00		80.00 52.00	63.00 33.00	80.00 33.00	
AT OUTFALL, SUMMER - WINTER	100.00 59.00		82.00 53.00	90.00 86.00	107.00 68.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	45,000.00	635.00	22,000.00	64,610.00	48,640.00	
- WINTER	70,000.00	1,575.00	42,000.00	28,300.00	10,829.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	H	C	O	C	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.40		.37	.17	.05	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.45	380.23		.30	.05	
LIME (TONS), COOLING WATER - BOILER MAKEUP	16.50			9.75	11.18	
ALUM (TONS), COOLING WATER - BOILER MAKEUP		60.15			1.28	
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	2.00 .90	50.00	3.25	.52	.32	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES	YES	YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	OT	PS	OT	OT	
RECEIVING WATER BODY[19]	R OHIO	R WEST FORK				
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING				9.50	9.00 9.50	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING				15.00	15.00 25.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN				15.50	24.00	
- ASH SETTLING					25,000.00	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	2 245.00		7 165.90	2 100.00	1 50.00	
ONCE THROUGH COOLING (SALINE)						
COOLING PONDS[21]						
COOLING TOWER(S)		3 1,950.00				
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1949 1960	1972	1945 1968	1954 1963	1958	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	10.00 21.00	30.42	4.00	25.00 28.00	25.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	270.70	1,203.18	329.90	99.00	49.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	270.70		329.90	99.00	49.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	1,205.00			693.00	993.70	
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)		8,954.00				

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	92.00	1,321.10		24.30	35.40	
COST OF CHEMICAL ADDITIVES ($1,000)	.60	23.90	4.10			

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	43.50	386.00	11.30	28.40	20.40	
COST OF CHEMICAL ADDITIVES ($1,000)	4.20	208.70	9.70	3.70	2.60	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	1	MONTAUP ELECTRIC CO.		MOORHEAD PUBLIC SERVICE DEPT		MORGAN CITY, CITY OF		MUSCATINE, CITY OF		NEW BEDFORD GAS & EDISON LIGHT CO.		1
2		2											2
3		3											3
4	NAME OF PLANT	4	SOMERSET		MOORHEAD		MORGAN CITY		MUSCATINE		CANNON		4
5	UTILITY-PLANT CODE	5	314000-0100		316000-0100		324250-0100		326000-0100		327000-0100		5
6	STATE	6	MASSACHUSETTS		MINNESOTA		LOUISIANA		IOWA		MASSACHUSETTS		6
7	COUNTY	7	BRISTOL		CLAY		ST. MARY		MUSCATINE		BRISTOL		7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	8	120 01		130 09		106 08		069 07		120 01		8
9	PLANT CAPACITY (MW)	9	325.00		44.00		33.42		124.00		83.00		9
10	ANNUAL GENERATION (MWH)[3]	10	1,154,100		1,752		141,016		502,600		168,000		10
11	PLANT HEAT RATE (BTU/KWH)[3]	11	11,393		19,694		12,797		11,383		15,796		11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	12	121.90		1.79				250.50				12
13	AVERAGE HEAT CONTENT (BTU/LB)	13	12,018		7,263				10,620				13
14	AVERAGE SULFUR CONTENT (%)	14	.60		.60				2.91				14
15	AVERAGE ASH CONTENT (%)	15	8.41		5.30				9.76				15
16	AVERAGE MOISTURE CONTENT (%)	16	9.31		35.00				9.68				16
17	OIL: CONSUMPTION (1,000 BARRELS)	17	1,662.90		1.58						268.20		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	18	146,354		140,000						146,431		18
19	AVERAGE SULFUR CONTENT (%)	19	.82		.10						.91		19
20	GAS: CONSUMPTION (1,000 MCF)	20					1,718.59		407.80		55.30		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	21					1,050		1,000		1,000		21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	22	8		5		3		4		6		22
23	- NO. OF WET BOTTOM	23							4				23
24	- NO. WITH FLY ASH REINJECTION	24			3				4				24
25	- NO. WITH MECHANICAL PRECIPITATORS	25	2		1				3				25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26							2		5		26
27	- NO. WITH COMBINATION PRECIPITATORS[4]	27											27
28	- NO. WITH DESULFURIZATION SYSTEMS	28											28
29	- EXCESS AIR USED I%), LOWEST-BOILER - HIGHEST BOILER[5]	29	14.00	20.00			2.50	3.00	12.00	60.00	14.00	15.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30	87.50	88.50					85.00	90.00			30
31	TESTED, LOW - HIGH	31		48.00					78.90	79.50			31
32	ESTIMATED, LOW - HIGH	32		85.00		85.00			77.00	79.00			32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	33							92.00	94.50		94.00	33
34	TESTED, LOW - HIGH	34							94.70	95.14		94.00	34
35	EST., LOW - HIGH	35							92.00	94.50			35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36											36
37	TESTED, LOW - HIGH	37											37
38	ESTIMATED, LOW - HIGH	38											38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	39	3.63		.06				.79		.01		39
40	SULFUR DIOXIDE (1,000 TONS)	40	6.01		.02				14.34		.82		40
41	NITROGEN OXIDES (1,000 TONS)	41	4.58		.01		.21		6.09		.60		41
42	STACKS: - TOTAL NO.	42	4		4		3		4		3		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	43	282.00	332.00	70.00	250.00	60.00		115.00	225.00	175.00	250.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	44	.01								.10		44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	45	7.00						25.00		.20		45
46	SOLD (1,000 TONS)[11]	46									.10		46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47											47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]	48											48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49											49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50	143.80						31.00				50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51							293.00		166.40		51
52	COMBINATION PRECIPITATORS ($1,000)[4]	52											52
53	DESULFURIZATION SYSTEMS ($1,000)	53											53
54	STACKS ($1,000)	54	174.30						365.40		61.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55	28.60		2.00				30.00		15.90		55
56	REVENUES FROM SALE OF ASH ($1,000)	56									.70		56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57											57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58											58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	59	111.40		2.00				42.00		145.40		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60									.70		60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	61	R TAUNTON		R REO		M		R MISSISSIPPI		R ACUSHNET		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62		208.60		44.00				450.00		103.00	62
63	AVERAGE RATE OF DISCHARGE (CFS)	63		208.60		44.00				450.00		103.00	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	64	1.79		.38				3.87		1.40		64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	65	AUG	DEC					AUG	DEC	AUG	DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66	77.70	42.50					80.00	57.00	79.00	51.00	66
67	AT OUTFALL, SUMMER - WINTER	67	97.20	62.50					93.00	69.00	88.00	63.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	68		130,000.00						36,938.00			68
69	- WINTER	69		130,000.00						30,000.00			69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	70	H		H				H		O		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71	1.63	1.13		.07		.76		.85		.06	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72	.11	1.38		.29		.88		.20		.13	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73											73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74											74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75	14.00				.75		100.00		36.42	.05	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	76	YES	YES		YES	YES	YES		YES		YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	77	PS				PS		PS		PS		77
78	RECEIVING WATER BODY[19]	78											78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	79		7.60									79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80		25.00									80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	81											81
82	- ASH SETTLING	82		34,148.67									82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	83			4	34.00			4	120.00			83
84	ONCE THROUGH COOLING (SALINE)	84	5	305.00							3	83.00	84
85	COOLING POND(S)	85											85
86	COOLING TOWER(S)	86					3	33.42					86
87	COMBINATIONS[21]	87											87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88	1925	1959	1940	1969	1963	1969	1941	1969	1921	1950	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	89	14.25	19.15		15.00		20.00		15.00		15.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90		552.00		85.00		23.08		314.20		155.10	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91		552.00		85.00				314.20		155.00	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92	853.72						258.00		77.00		92
93	COOLING PONDS ($1,000)	93											93
94	COOLING TOWERS ($1,000)	94											94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95	179.70		.80				156.00		22.00		95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96	5.00				5.17		24.20		3.00		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97	4.00		1.30				108.10		54.00		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98	2.80		.50		3.76		1.45		18.00		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	N. W. ELECTRIC POWER COOP., INC.	NATCHITOCHES, CITY OF	NEBRASKA PUBLIC POWER SYSTEM	NEBRASKA PUBLIC POWER SYSTEM	NEBRASKA PUBLIC POWER SYSTEM	1
2							2
3							3
4	NAME OF PLANT	MISSOURI CITY	NATCHITOCHES	COOPER	KRAMER	BLUFFS	4
5	UTILITY-PLANT CODE	327500-0100	330000-0100	331500-0125	331500-6400	331500-1000	5
6	STATE	MISSOURI	LOUISIANA	NEBRASKA	NEBRASKA	NEBRASKA	6
7	COUNTY	CLAY	NATCHITOCHES	NEMAHA	SARPY	SCOTTS BLUFF	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	094 10	022 11	140 10	085 10	140 10	8
9	PLANT CAPACITY (MW)	40.00	41.90	801.00	113.50	42.20	9
10	ANNUAL GENERATION (MWH)[3]	33,500	113,000	3,853,600	494,700	216,400	10
11	PLANT HEAT RATE (BTU/KWH)[3]	13,269	15,279	11,023	12,744	11,669	11
	AIR QUALITY CONTROL DATA						
	FUEL CONSUMPTION DATA (ANNUAL)						
12	COAL: CONSUMPTION (1,000 TONS)	18.14			210.80		12
13	AVERAGE HEAT CONTENT (BTU/LB)	11,857			10,110		13
14	AVERAGE SULFUR CONTENT (%)	3.97			.77		14
15	AVERAGE ASH CONTENT (%)	13.93			8.48		15
16	AVERAGE MOISTURE CONTENT (%)	5.27			15.94		16
17	OIL: CONSUMPTION (1,000 BARRELS)	2.27	1.30			125.84	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	150,365	134,980			151,900	18
19	AVERAGE SULFUR CONTENT (%)	.94	.14			1.10	19
20	GAS: CONSUMPTION (1,000 MCF)		1,605.87		2,041.40	2,132.34	20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,000		999	1,004	21
	PLANT EQUIPMENT DATA						
22	BOILERS: - TOTAL NO.	2	3		4	4	22
23	- NO. OF WET BOTTOM	2					23
24	- NO. WITH FLY ASH REINJECTION						24
25	- NO. WITH MECHANICAL PRECIPITATORS	2			4		25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS						26
27	- NO. WITH COMBINATION PRECIPITATORS[4]						27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00	10.00		25.00	10.00 15.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	80.00			83.00		30
31	TESTED, LOW - HIGH	52.00			59.80 66.70		31
32	ESTIMATED, LOW - HIGH				75.00		32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH						33
34	TESTED, LOW - HIGH						34
35	EST., LOW - HIGH						35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38
	PLANT OPERATING DATA AND COST OF EQUIPMENT						
39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.79			3.80	.02	39
40	SULFUR DIOXIDE (1,000 TONS)	1.42			3.18	.46	40
41	NITROGEN OXIDES (1,000 TONS)	.28	.32		2.29	.70	41
42	STACKS: - TOTAL NO.	2	3		2	4	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	130.00	45.00 60.00		252.00	65.00 99.50	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]				14.10		45
46	SOLD (1,000 TONS)[11]						46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	20.00			665.00		50
51	ELECTROSTATIC PRECIPITATORS ($1,000)						51
52	COMBINATION PRECIPITATORS ($1,000)[4]						52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)	20.00			86.00	25.92	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	2.45			23.00		55
56	REVENUES FROM SALE OF ASH ($1,000)						56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	2.45			23.00		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)						60
	WATER QUALITY CONTROL DATA						
61	COOLING WATER: SOURCE	R MISSOURI	O TREATED LAKE	P MISSOURI	P MISSOURI	W	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	12.00		1,116.00	165.22	36.60	62
63	AVERAGE RATE OF DISCHARGE (CFS)	12.00		1,116.00	165.20	36.60	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.10		9.60	1.42 .02	.31	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL JAN		JUL DEC	AUG DEC		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	79.00 31.00		84.00 37.00	79.00 41.00		66
67	AT OUTFALL, SUMMER - WINTER	89.00 39.00		96.00 74.00	85.00 54.00		67
68	AVE. FLOW IN RECEIVING BODY DUPING PEAK MONTH (CFS): SUMMER	60,000.00		46,197.00	65,250.00		68
69	- WINTER	24,000.00		19,479.00	34,000.00		69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C		C	C	H	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.20	.11 .45		1.53		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.05	.32	5.92		.02	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	5.30		98.28	127.85		73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP			2.00	28.70		74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	.15	.07		16.00		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST		OT	PS		77
78	[19] RECEIVING WATER BODY			R MISSOURI	R MISSOURI		78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	7.70 9.10			8.10 9.20		79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING				70.00 5,000.00		80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN				182.50		81
82	- ASH SETTLING						82
	COOLING FACILITY DATA						
83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	2 40.00		1 801.00	3 112.50	4 42.20	83
84	ONCE THROUGH COOLING (SALINE)						84
85	COOLING POND(S)						85
86	COOLING TOWER(S)		3 42.00				86
87	COMBINATIONS[21]						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1953	1962 1972	1971	1949 1951	1940 1963	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	12.00	18.00	27.90	9.00	26.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	105.34	101.05	1,405.00	306.00	60.20	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	104.42		1,417.00	321.00		91
	CAPITAL COSTS OF COOLING FACILITIES						
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	600.00		5,822.00	1,000.00		92
93	COOLING PONDS ($1,000)						93
94	COOLING TOWERS ($1,000)						94
	ANNUAL COOLING WATER EXPENSES						
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	74.00	2.10	315.00	12.50		95
96	COST OF CHEMICAL ADDITIVES ($1,000)		1.82		5.10	24.66	96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES						
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	4.00	1.28	59.00	12.50		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	1.80	1.49	27.00	21.40		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	NEBRASKA PUBLIC POWER SYSTEM	NEVADA POWER CO.	NEVADA POWER CO.	NEVADA POWER CO.	NEW ENGLAND POWER. GC.	
4	NAME OF PLANT	SHELDON	CLARK	GARDNER	SUNRISE	BRAYTON	
5	UTILITY-PLANT CODE	331500-1100	333000-0100	333000-0300	333000-0500	334000-0200	
6	STATE	NEBRASKA	NEVADA	NEVADA	NEVADA	MASSACHUSETTS	
7	COUNTY	LANCASTER	CLARK	CLARK	CLARK	BRISTOL	
8	AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	145 10	013 15	013 15	013 15	120 01	
9	PLANT CAPACITY (MW)	228.65	190.28		81.60	1,610.00	
10	ANNUAL GENERATION (MWH) [3]	803,500	478,000	1,196,100	394,200	7,031,400	
11	PLANT HEAT RATE (BTU/KWH) [3]	10,357	12,457	10,620	10,715	9,830	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	199.12				601.10	
13	AVERAGE HEAT CONTENT (BTU/LB)	11,110				11,924	
14	AVERAGE SULFUR CONTENT (%)	1.82				.84	
15	AVERAGE ASH CONTENT (%)	9.67				12.98	
16	AVERAGE MOISTURE CONTENT (%)	16.30				7.02	
17	OIL: CONSUMPTION (1,000 BARRELS)		318.99		287.76	8,852.10	
18	AVERAGE HEAT CONTENT (BTU/GAL)		148,188		144,590	147,411	
19	AVERAGE SULFUR CONTENT (%)		.80		.35	.81	
20	GAS: CONSUMPTION (1,000 MCF)	3,897.63	3,674.83		2,278.78		
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,000	1,083		1,083		

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	2	3	2	1	4	
23	- NO. OF WET BOTTOM	2		2			
24	- NO. WITH FLY ASH REINJECTION						
25	- NO. WITH MECHANICAL PRECIPITATORS	1		2			
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	1				4	
27	- NO. WITH COMBINATION PRECIPITATORS [4]						
28	- NO. WITH DESULFURIZATION SYSTEMS			2			
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]		9.00 9.50	18.00	8.00	15.00 20.00	
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	75.00		88.10			
31	TESTED, LOW - HIGH						
32	ESTIMATED, LOW - HIGH						
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	97.50				90.70 99.00	
34	TESTED, LOW - HIGH	96.60				85.10 99.30	
35	EST., LOW - HIGH					90.00 92.00	
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH			84.40			
37	TESTED, LOW - HIGH						
38	ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	.25	.02		.05	5.72	
40	SULFUR DIOXIDE (1,000 TONS)	7.10	.28		.34	33.87	
41	NITROGEN OXIDES (1,000 TONS)	6.24	.64		1.08	24.86	
42	STACKS: - TOTAL NO.	2	3	2	1	4	
43	- HEIGHT (FEET), LOWEST - HIGHEST [8]	176.00	100.00 156.00	200.00	135.00	352.00 500.00	
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]					.63	
45	TOTAL ASH: COLLECTED (1,000 TONS) [10]	16.68				73.50	
46	SOLD (1,000 TONS) [11]						
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	60.00		93.00			
51	ELECTROSTATIC PRECIPITATORS ($1,000)	7,000.00				7,261.50	
52	COMBINATION PRECIPITATORS ($1,000) [4]						
53	DESULFURIZATION SYSTEMS ($1,000)			10,506.00			
54	STACKS ($1,000)	133.20	77.00	245.00	26.00	2,101.00	
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	16.00				1,484.00	
56	REVENUES FROM SALE OF ASH ($1,000)						
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	16.00				2,164.90	
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	W	O SEWAGE EFFLNT.	RW MUDDY	O SEWAGE EFFLNT.	R TAUNTON	
62	AVERAGE RATE OF WITHDRAWAL (CFS)	4.24	1.63		1.63	1,187.70	
63	AVERAGE RATE OF DISCHARGE (CFS)	2.93	.76		.36	1,187.70	
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	1.31	.87		1.27		
65	PEAK LOAD MONTH : SUMMER - WINTER [15]	AUG JAN	JUL JAN			JUL DEC	
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT CIVERSION, SUMMER - WINTER	58.00 58.00				82.00 52.00	
67	AT OUTFALL, SUMMER - WINTER	85.00 70.00			525.00	93.20 67.00	
68	AVE. FLOW IN RECEIVING BODY DUPING PEAK MONTH (CFS): SUMMER					TIDAL	
69	- WINTER					TIDAL	
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O [16]		C	C	G	C	
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	2.55 .10	.30		.39	2.73	
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	15.30	.40		.29	203.61	
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	149.20 41.78	750.00		525.00	.83	
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	66.18 2.32					
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	4.00	122.00		94.00	27.82	
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES YES	YES YES		YES YES	YES	
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT [18]	OT	ST	ST	ST	PS	
78	RECEIVING WATER BODY [19]		O SURFACE GROUND	O GROUND WATER	O SURFACE GROUND		
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING			10.70		8.00 9.00	
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING					50.00 160.00	
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING					195,200.00	
82						195,200.00	

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)									
84	ONCE THROUGH COOLING (SALINE)									
85	COOLING POND(S)									
86	COOLING TOWER(S)	2 228.00	3 190.28	2 227.28	1 81.60					
87	COMBINATIONS [21]							4	1,600.25	
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1959 1965	1955 1961	1964 1967	1964	1963 1974				
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	17.80 18.40		17.00 18.00		12.20 18.50				
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	267.40	317.00	275.00	106.10	1,982.90				
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)					1,381.30				

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)					3,498.00	
93	COOLING PONDS ($1,000)					31,400.00	
94	COOLING TOWERS ($1,000)	2,301.00	491.00	637.00	180.00		

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	136.00	185.95		165.60	452.10	
96	COST OF CHEMICAL ADDITIVES ($1,000)	118.00	99.00		122.73		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	71.00	159.22		146.10	245.40	
98	COST OF CHEMICAL ADDITIVES ($1,000)	8.00	7.20		21.20	64.08	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	NEW ENGLAND POWER CO.	NEW MEXICO ELECTRIC SERVICE CO.	NEW ORLEANS PUBLIC SERVICE INC.	NEW ORLEANS PUBLIC SERVICE INC.	NEW ORLEANS PUBLIC SERVICE INC.	
2							
3							
4	NAME OF PLANT	SALEM HARBOR	MADDUX	PATERSON	MARKET STREET	MICHOUD	
5	UTILITY-PLANT CODE	334000-1200	337000-0200	337500-0100	337500-0200	337500-0300	
6	STATE	MASSACHUSETTS	NEW MEXICO	LOUISIANA	LOUISIANA	LOUISIANA	
7	COUNTY	ESSEX	LEA	ORLEANS	ORLEANS	ORLEANS	
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	119 01	155 13	106 08	106 08	106 08	
9	PLANT CAPACITY (MW)	805.25	113.60	218.25	96.25	959.25	
10	ANNUAL GENERATION (MWH)[3]	4,086,000	585,200	421,000	42,000	1,948,600	
11	PLANT HEAT RATE (BTU/KWH)[3]	10,491	10,215	14,846	17,038	11,360	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	82.10						
13	AVERAGE HEAT CONTENT (BTU/LB)	11,083						
14	AVERAGE SULFUR CONTENT (%)	1.30						
15	AVERAGE ASH CONTENT (%)	15.94						
16	AVERAGE MOISTURE CONTENT (%)	9.16						
17	OIL: CONSUMPTION (1,000 BARRELS)	6,606.50		339.43		2,250.68		
18	AVERAGE HEAT CONTENT (BTU/GAL)	147,454		146,960		148,487		
19	AVERAGE SULFUR CONTENT (%)	.74		.56		.81		
20	GAS: CONSUMPTION (1,000 MCF)		5,690.38	3,052.95	701.15	7,482.22		
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,055	1,086	1,057	1,083		

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	4	1	4	3	3		
23	- NO. OF WET BOTTOM	3						
24	- NO. WITH FLY ASH REINJECTION							
25	- NO. WITH MECHANICAL PRECIPITATORS							
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	4						
27	- NO. WITH COMBINATION PRECIPITATORS[4]							
28	- NO. WITH DESULFURIZATION SYSTEMS							
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00 25.00	8.00	5.00 12.00	10.00 12.00	12.00		
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							
31	TESTED, LOW - HIGH							
32	ESTIMATED, LOW - HIGH							
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	90.00 97.00						
34	TESTED, LOW - HIGH	96.30						
35	EST., LOW - HIGH	90.00						
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
37	TESTED, LOW - HIGH							
38	ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.96		.06		.38		
40	SULFUR DIOXIDE (1,000 TONS)	18.49		.64		6.12		
41	NITROGEN OXIDES (1,000 TONS)	15.80	1.11	1.34	.14	6.42		
42	STACKS: - TOTAL NO.	4	1	2	2	5		
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	250.00 500.00	156.00	151.00	315.00	164.00 186.00		
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	.12						
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	12.70						
46	SOLD (1,000 TONS)[11]							
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							
51	ELECTROSTATIC PRECIPITATORS ($1,000)	3,858.00						
52	COMBINATION PRECIPITATORS ($1,000)[4]							
53	DESULFURIZATION SYSTEMS ($1,000)							
54	STACKS ($1,000)	1,513.00	10.98	127.00	84.00	189.00		
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	530.00						
56	REVENUES FROM SALE OF ASH ($1,000)							
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	530.00						
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	M SALEM	M	O NAV CANAL	R MISSISSIPPI	C MIS. R OUTLET		
62	AVERAGE RATE OF WITHDRAWAL (CFS)	756.00	1.18	104.00	22.00	652.00		
63	AVERAGE RATE OF DISCHARGE (CFS)	756.00	.33	104.00	22.00	652.00		
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	6.50	.86	1.41	.19	5.61		
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC		JUL NOV	JUL NOV	JUL NOV		
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	76.80 51.00		87.00 60.00	90.00	92.00 66.00		
67	AT OUTFALL, SUMMER - WINTER	94.00 68.20		117.00 97.00	108.00	111.00 104.00		
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	TIDAL			397,000.00			
69	- WINTER	TIDAL			346,000.00			
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	H	M	M	H		
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	4.74	2.76 .39	1.49	.09	1.45		
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	63.40	1.45	.63	.05	.36		
73	LIME (TONS), COOLING WATER - BOILER MAKEUP							
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP							
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	59.72	1.59	12.00		36.00		
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES YES	YES	YES	YES		
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS		PS	PS	OT		
78	RECEIVING WATER BODY[19]		O FIELD			C MIS. R OUTLET		
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	7.50	10.00					
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING							
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN		800.00					
82	- ASH SETTLING	64,300.00						

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)				3 96.25			
84	ONCE THROUGH COOLING (SALINE)	4 801.94		4 218.25		3 959.25		
85	COOLING POND(S)							
86	COOLING TOWER(S)		1 113.60					
87	COMBINATIONS[21]							
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1951 1972	1967	1947 1954	1938 1948	1957 1967		
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	8.70 28.30	10.00	16.90 17.80	10.92 11.98	15.10 17.20		
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	948.89	137.00	334.30	247.30	1,158.10		
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	948.89		334.30	247.30	1,158.10		

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	2,131.40		1,848.60	930.90	3,476.70		
93	COOLING PONDS ($1,000)							
94	COOLING TOWERS ($1,000)		361.00					

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	535.80		100.00	22.00	257.00		
96	COST OF CHEMICAL ADDITIVES ($1,000)	23.10	12.59	5.00		9.00		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	70.00		53.00	16.00	137.00		
98	COST OF CHEMICAL ADDITIVES ($1,000)	23.80	.92	18.00	1.00	18.00		

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	NEW YORK STATE ELECTRIC & GAS CORP.	NEW YORK STATE ELECTRIC & GAS CORP.	NEW YORK STATE ELECTRIC & GAS CORP.	NEW YORK STATE ELECTRIC & GAS CORP.	NEW YORK STATE ELECTRIC & GAS CORP.	1
2							2
3							3
4	NAME OF PLANT	GOUDEY	GREENIDGE	HICKLING	JENNISON	MILLIKEN	4
5	UTILITY-PLANT CODE	339000-0600	339000-0700	339000-0900	339000-1100	339000-1400	5
6	STATE	NEW YORK	NEW YORK	NEW YORK	NEW YORK	NEW YORK	6
7	COUNTY	BROOME	YATES	STEUBEN	CHENANGO	TOMPKINS	7
8	AIR QUALITY CONTROL REGION NO. 1/ - WATER RESOURCE REGION NO. 2/	163 02	160 04	164 02	163 02	164 04	8
9	PLANT CAPACITY (MW)	103.75	178.80	70.00	60.00	270.00	9
10	ANNUAL GENERATION (MWH) 3/	743,500	943,600	558,500	275,300	1,922,700	10
11	PLANT HEAT RATE (BTU/KWH) 3/	10,840	11,568	15,019	15,136	9,551	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	365.70	473.90	398.10	194.20	818.80		12
13	AVERAGE HEAT CONTENT (BTU/LB)	10,946	11,102	10,529	10,757	11,199		13
14	AVERAGE SULFUR CONTENT (%)	1.53	1.68	1.28	1.79	1.86		14
15	AVERAGE ASH CONTENT (%)	20.18	19.74	22.95	18.52	17.67		15
16	AVERAGE MOISTURE CONTENT (%)	6.21	6.07	6.82	8.61	7.45		16
17	OIL: CONSUMPTION (1,000 BARRELS)	9.50	69.30			8.90		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	137,486	137,500			137,522		18
19	AVERAGE SULFUR CONTENT (%)	.25	.30			.32		19
20	GAS: CONSUMPTION (1,000 MCF)							20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)							21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	3	6	4	4	2		22
23	- NO. OF WET BOTTOM							23
24	- NO. WITH FLY ASH REINJECTION							24
25	- NO. WITH MECHANICAL PRECIPITATORS		3		4			25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	3	1			2		26
27	- NO. WITH COMBINATION PRECIPITATORS 4/		2	4				27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER 5/	31.00	21.00 25.00	25.00 28.00		24.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		76.40 80.00		92.00			30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH							32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY 6/: DESIGN, LOW - HIGH	99.80	98.00	99.50		98.00		33
34	TESTED, LOW - HIGH	99.34 99.68	99.10	94.60 97.50		99.40 99.50		34
35	EST., LOW - HIGH	99.34 99.68	98.00 99.80	94.60 97.50	99.50	99.40 99.50		35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS 7/: PARTICULATE MATTER (1,000 TONS)	.27	1.00	2.13	.12	.68		39
40	SULFUR DIOXIDE (1,000 TONS)	10.97	15.68	10.18	6.81	29.85		40
41	NITROGEN OXIDES (1,000 TONS)	3.31	4.42	3.04	1.46	7.39		41
42	STACKS: - TOTAL NO.	1	4	2	2	2		42
43	- HEIGHT (FEET), LOWEST - HIGHEST 8/	282.00	239.00 250.00	142.00	152.00	255.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) 9/							44
45	TOTAL ASH: COLLECTED (1,000 TONS) 10/	73.50	123.00	163.80	36.20	144.70		45
46	SOLD (1,000 TONS) 11/		13.00					46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) 12/							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)		31.99		106.90			50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	6,000.00	218.20			777.30		51
52	COMBINATION PRECIPITATORS ($1,000) 14/		436.40					52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	41.76	273.81	55.30	67.88	1,505.60		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	371.20	218.00	401.80	334.70	845.60		55
56	REVENUES FROM SALE OF ASH ($1,000)		3.20					56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) 13/	371.20	218.00	401.80	334.70	845.60		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)		3.20					60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE 15/	P SUSQUEHANNA	L SENECA	P CHEMUNG	R SUSQUEHANNA	L CAYUGA		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	128.80	183.17	89.70	66.56	320.32		62
63	AVERAGE RATE OF DISCHARGE (CFS)	128.70	183.00	87.50	58.60	320.28		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED 14/	1.11 .10	1.58 .17	.77 2.20	.57 9.96	2.75 .04		64
65	PEAK LOAD MONTH : SUMMER - WINTER 15/	AUG NOV	AUG NOV	AUG NOV	AUG NOV	AUG NOV		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	94.00 55.00	83.00 68.00	86.00 57.00	84.00 56.00	74.00 54.00		66
67	AT OUTFALL, SUMMER - WINTER	108.00 75.00	99.00 85.00	112.00 85.00	106.00 90.00	88.00 71.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	1,273.30	38.60	405.90	497.90	5.46		68
69	- WINTER	7,530.70	315.00	1,574.90	3,842.80	4.50		69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O 16/	C	C	C	C	C		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.10	2.10	.10	.05	.13		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.01	.03	.10	.04	147.96		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP		14.75					73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	64.50			.76			74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	2.00 .15	12.00	3.00	3.00 .60	3.00 .60		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP 17/	YES	YES	YES	YES	YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT 18/	PS	ST	ST	ST/OT	OT		77
78	19/ RECEIVING WATER BODY				R SUSQUEHANNA	L CAYUGA		78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	7.90	62.00		7.60			79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	194.00	16.00		129.00			80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING							81
82		178.58	.67		15,800.00			82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING 20/: ONCE THROUGH COOLING (FRESH)	2 95.00	4 198.80	2 86.00	2 60.00	2 270.00		83
84	ONCE THROUGH COOLING (SALINE)							84
85	COOLING POND(S)							85
86	COOLING TOWER(S)							86
87	COMBINATIONS 21/							87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1943 1951	1938 1953	1948 1952	1945 1950	1955 1958		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST 22/	26.00 34.00	22.00 27.00	21.50 23.00				89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	150.50	300.00	116.00	96.80	376.00		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	152.30	301.00	118.50	100.80	376.00		91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	778.00	1,647.00		291.00	715.00		92
93	COOLING PONDS ($1,000)							93
94	COOLING TOWERS ($1,000)							94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	39.10	13.50	7.90	29.10	.80		95
96	COST OF CHEMICAL ADDITIVES ($1,000)	1.40	3.30	12.00	1.29	1.20		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	27.90	39.00	1.10	41.40	.90		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	3.90	12.40	15.10	1.50	20.70		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	1.	NIAGARA-MOHAWK POWER CORP.		NIAGARA-MOHAWK POWER CORP.		NIAGARA-MOHAWK POWER CORP.		NIAGARA-MOHAWK POWER CORP.		NIAGARA-MOHAWK POWER CORP.				1
2		2.													2
3		3.													3
4	NAME OF PLANT	4.	OSWEGO		ALBANY		HUNTLEY		OUNKIRK		9 MILE POINT NUC				4
5	UTILITY-PLANT CODE	5.	341000-3800		341000-5900		341000-7900		341000-8000		341000-8100				5
6	STATE	6.	NEW YORK		NEW YORK		NEW YORK		NEW YORK		NEW YORK				6
7	COUNTY	7.	OSWEGO		ALBANY		ERIE		CHAUTAUQUA		OSWEGO				7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	8.	158	04	161	02	162	04	164	04	158	04			8
9	PLANT CAPACITY (MW)	9.	1,225.00		400.00		828.00		628.00		610.00				9
10	ANNUAL GENERATION (MWH)[3]	10.	1,289,300		2,148,500		4,205,500		3,406,900		3,044,900				10
11	PLANT HEAT RATE (BTU/KWH)[3]	11.	11,833		10,290		10,165		9,821		10,851				11
	AIR QUALITY CONTROL DATA														
	FUEL CONSUMPTION DATA (ANNUAL)														
12	COAL: CONSUMPTION (1,000 TONS)	12.					1,742.00		1,347.00						12
13	AVERAGE HEAT CONTENT (BTU/LB)	13.					12,335		12,411						13
14	AVERAGE SULFUR CONTENT (%)	14.					2.44		2.37						14
15	AVERAGE ASH CONTENT (%)	15.					10.66		11.07						15
16	AVERAGE MOISTURE CONTENT (%)	16.							6.46						16
17	OIL: CONSUMPTION (1,000 BARRELS)	17.	2,442.00		3,533.00										17
18	AVERAGE HEAT CONTENT (BTU/GAL)	18.	148,777		149,003										18
19	AVERAGE SULFUR CONTENT (%)	19.	2.58		2.67										19
20	GAS: CONSUMPTION (1,000 MCF)	20.													20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	21.													21
	PLANT EQUIPMENT DATA														
22	BOILERS: - TOTAL NO.	22.	5		4		6		4						22
23	- NO. OF WET BOTTOM	23.					4								23
24	- NO. WITH FLY ASH REINJECTION	24.													24
25	- NO. WITH MECHANICAL PRECIPITATORS	25.	4		4										25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26.	1				6		4						26
27	- NO. WITH COMBINATION PRECIPITATORS[4]	27.													27
28	- NO. WITH DESULFURIZATION SYSTEMS	28.													28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	29.	5.00	10.00	8.00	9.00	22.00	25.50	15.00	18.00					29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30.	25.00	30.00		80.00									30
31	TESTED, LOW - HIGH	31.	25.00	30.00		33.00									31
32	ESTIMATED, LOW - HIGH	32.	20.00	25.00		33.00									32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	33.		98.50				99.50		99.50					33
34	TESTED, LOW - HIGH	34.					98.38	99.79	99.70	99.87					34
35	EST., LOW - HIGH	35.		98.50			98.38	99.79							35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36.													36
37	TESTED, LOW - HIGH	37.													37
38	ESTIMATED, LOW - HIGH	38.													38
	PLANT OPERATING DATA AND COST OF EQUIPMENT														
39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	39.	.33		.40		.86		.35						39
40	SULFUR DIOXIDE (1,000 TONS)	40.	28.88		31.59		82.82		63.46						40
41	NITROGEN OXIDES (1,000 TONS)	41.	7.36		7.78		20.32		12.32						41
42	STACKS: - TOTAL NO.	42.	1		4		2		3						42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	43.	700.00		336.00		350.00		310.00	312.00					43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	44.	.40		.27										44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	45.	.40		.60		201.20		211.30						45
46	SOLD (1,000 TONS)[11]	46.	.20		.60		4.00								46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47.													47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]	48.													48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49.													49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50.	341.30		317.10										50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51.					30,250.00		20,750.00						51
52	COMBINATION PRECIPITATORS ($1,000)[4]	52.													52
53	DESULFURIZATION SYSTEMS ($1,000)	53.													53
54	STACKS ($1,000)	54.	3,951.00		308.00		1,730.10		617.80						54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55.			35.00		305.80		370.90						55
56	REVENUES FROM SALE OF ASH ($1,000)	56.	42.15				.15								56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57.													57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58.													58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	59.			35.00		305.80		370.90						59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60.	42.15		343.80		.15								60
	WATER QUALITY CONTROL DATA														
61	COOLING WATER: SOURCE	61.	L ONTARIO		R HUDSON		R NIAGARA		L ERIE		L ONTARIO				61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62.		455.00		784.00		1,160.00		890.00		544.60			62
63	AVERAGE RATE OF DISCHARGE (CFS)	63.		455.00		784.00		1,160.00		890.00		544.60			63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	64.	3.91		6.74		9.98		7.65		4.68	.01			64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	65.	JUN	DEC	JUN	JAN	AUG	DEC	AUG	OCT	JUN	JAN			65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66.	72.00	48.00	72.00	39.00	75.00	45.00	77.00	63.00	84.70	45.80			66
67	AT OUTFALL, SUMMER - WINTER	67.	83.00	62.00	81.00	48.00	87.00	61.00	89.00	80.00	100.50	73.30			67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	68.		360.00		9,708.00		1,098.00							68
69	- WINTER	69.		436.00		13,603.00		1,098.00							69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	70.	C		C		C		C		H				70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71.		1.05		.25		.11		.06					71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72.		368.30		.05		210.37		105.61					72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73.						17.00		8.40					73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74.		2.00				3.70		3.26					74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75.			80.00		120.00								75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	76.		YES		YES		YES		YES		YES			76
77	SEWAGE DISPOSAL: METHOD RS, ST, SW, OT[18]	77.	RS		OT						OT				77
78	RECEIVING WATER BODY	78.									L ONTARIO				78
79	RONO DISCHARGE:[19] RH, BOILER BLOWDOWN - ASH SETTLING	79.		7.80		7.00	8.00								79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80.		40.00			415.00								80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	81.						28,000.00							81
82	- ASH SETTLING	82.		38,000.00											82
	COOLING FACILITY DATA														
83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	83.	5	1,226.00	4	400.00	6	828.00	4	628.00	1	620.00			83
84	ONCE THROUGH COOLING (SALINE)	84.													84
85	COOLING PONDS	85.													85
86	COOLING TOWERS	86.													86
87	COMBINATIONS[21]	87.													87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88.	1940	1975	1952	1954	1942	1958	1950	1960		1967			88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	89.	11.50	32.00		10.30	10.70	13.70	11.50	15.20		32.00			89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90.		1,284.00		780.00		1,292.00		892.00		557.00			90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91.		1,284.00		780.00		1,292.00		892.00		600.00			91
	CAPITAL COSTS OF COOLING FACILITIES														
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92.		1,516.40		410.40		3,637.80		4,593.60		7,860.00			92
93	COOLING PONDS ($1,000)	93.													93
94	COOLING TOWERS ($1,000)	94.													94
	ANNUAL COOLING WATER EXPENSES														
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95.				15.00		15.00		17.00		5.00			95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96.				9.00		28.90							96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES														
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97.				30.00		15.00		32.00		7.00			97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98.		52.44		2.00		46.90		8.10		9.00			98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	NORTHERN INDIANA PUBLIC SERVICE CO.	NORTHERN INDIANA PUBLIC SERVICE CO.	NORTHERN INDIANA PUBLIC SERVICE CO.	NORTHERN MICHIGAN ELECTRIC COOP INC.	NORTHERN STATES POWER CO. (MINN.)	1
2							2
3							3
4	NAME OF PLANT	BAILLY	MITCHELL	MICHIGAN CITY	ADVANCE	BLACK DOG	4
5	UTILITY-PLANT CODE	345500-0100	345500-0300	345500-0400	346000-0100	347000-0300	5
6	STATE	INDIANA	INDIANA	INDIANA	MICHIGAN	MINNESOTA	6
7	COUNTY	PORTER	LAKE	LAPORTE	CHARLEVOIX	DAKOTA	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	067 04	067 04	082 04	199 10	131 07	8
9	PLANT CAPACITY (MW)	615.60	529.40	736.00	37.00	486.66	9
10	ANNUAL GENERATION (MWH)[3]	2,688,000	2,890,900	2,848,000	256,400	1,716,200	10
11	PLANT HEAT RATE (BTU/KWH)[3]	10,298	10,104	10,743	12,925	11,222	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	1,152.43	1,382.20	1,249.79	136.10	946.09	12
13	AVERAGE HEAT CONTENT (BTU/LB)	10,844	9,574	10,306	12,181	9,141	13
14	AVERAGE SULFUR CONTENT (%)	3.61	.62	2.91	2.15	1.53	14
15	AVERAGE ASH CONTENT (%)	11.54	12.39	13.72	10.42	9.94	15
16	AVERAGE MOISTURE CONTENT (%)	12.51	13.36	14.30	6.54	22.22	16
17	OIL: CONSUMPTION (1,000 BARRELS)				2.90	3.75	17
18	AVERAGE HEAT CONTENT (BTU/GAL)				138,000	139,372	18
19	AVERAGE SULFUR CONTENT (%)				.30	.50	19
20	GAS: CONSUMPTION (1,000 MCF)	2,667.02	2,743.08	4,836.68		1,929.69	20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,000	1,000	1,000		1,003	21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	2	4	7	3	4	22
23	- NO. OF WET BOTTOM	2		4			23
24	- NO. WITH FLY ASH REINJECTION	2					24
25	- NO. WITH MECHANICAL PRECIPITATORS						25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	2	4	4		4	26
27	- NO. WITH COMBINATION PRECIPITATORS[4]				3		27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	16.00 17.00	18.00 19.00	15.00 20.00	19.00 20.00	23.00 25.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						30
31	TESTED, LOW - HIGH						31
32	ESTIMATED, LOW - HIGH						32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	99.00	98.00	98.00 99.75	94.00	97.00 97.80	33
34	TESTED, LOW - HIGH				98.31 98.87	89.10 95.20	34
35	EST., LOW - HIGH	97.70 97.80	95.80 97.80	98.00 99.70	97.50 98.00	89.00 95.00	35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.33	4.34	.11	.28	5.50	39
40	SULFUR DIOXIDE (1,000 TONS)	81.54	16.80	71.28	5.74	28.38	40
41	NITROGEN OXIDES (1,000 TONS)	32.21	12.97	35.31	1.23	8.90	41
42	STACKS: - TOTAL NO.	1	2	5	2	4	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	400.00	236.00	270.00 500.00	150.00	289.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	133.00	168.50	170.50	14.00	86.90	45
46	SOLD (1,000 TONS)[11]	109.70		111.70		12.70	46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	1,510.00	2,428.00	3,417.00		1,306.00	51
52	COMBINATION PRECIPITATORS ($1,000)[4]				742.00		52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)	544.00	537.00	1,957.00	144.00	580.00	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	240.00	406.30	159.70	75.50	500.30	55
56	REVENUES FROM SALE OF ASH ($1,000)	16.40		22.60		31.90	56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	1,147.60	4,094.30	258.00	611.10	500.30	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	16.40		22.60		31.90	60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	L MICHIGAN	L MICHIGAN	L MICHIGAN	L CHARLEVOIX	R MINNESOTA	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	431.80	578.46	232.10	7d.00	174.20	62
63	AVERAGE RATE OF DISCHARGE (CFS)	431.80	578.46	232.10	77.70	171.20	63
64	AVE. RATE OF CONSUMPTION (CFS). CALCULATED - REPORTED[14]	3.71	4.97		.67 .30	3.00	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC	JUL DEC	JUL DEC	AUG DEC	JUL DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	77.00 51.00	78.00 44.00	81.00 53.00	71.00 39.00	84.00 38.00	66
67	AT OUTFALL, SUMMER - WINTER	93.00 70.00	90.00 62.00	85.00 57.00	82.00 50.00	92.00 47.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER				71.30	4,651.00	68
69	- WINTER				89.40	521.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, D[16]	C	C	C	C	C	70
71	CHEMICAL ADDITIVES: RHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.30	.72	.10	.31	.85	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	38.19	32.33	65.00 30.00	.10	.65	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP						73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	3.50	2.37				74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	4.00 4.67		14.25	97.50		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES	YES YES	YES	YES	76
77	SEWAGE DISPOSAL: METHOD RS, ST, SW, OT[18]	ST ST		PS ST		PS	77
78	RECEIVING WATER BODY						78
79	POND DISCHARGE: RH, BOILER BLOWDOWN - ASH SETTLING		11.30	7.00	8.10	7.70	79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		16.00	25.00	10.00	250.00	80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN					4,300.00	81
82	- ASH SETTLING	79,065.04	122,000.00	500,000.00	100,000.00	530.00	82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	2	615.60	4	529.40	3	215.04	3	37.00			83
84	ONCE THROUGH COOLING (SALINE)											84
85	COOLING PONDS(S)											85
86	COOLING TOWER(S)					1	520.97					86
87	COMBINATIONS[21]									4	486.66	87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1962	1968	1956	1970	1931	1972	1952	1967		1952	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	10.00	21.00	10.00	12.00	8.79	16.10	10.50	16.60		18.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)		685.00		1,155.00		1,108.60		103.00		574.90	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		685.00		1,155.00		516.00		106.00		574.90	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	3,915.00	2,577.00	2,980.00		1,694.00	92
93	COOLING PONDS ($1,000)					282.00	93
94	COOLING TOWERS ($1,000)			12.12			94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	104.40	122.30	60.00		73.70	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	1.20	3.20	20.00		21.50	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	126.70	39.60	35.00		70.10	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	127.70	20.60	20.00		3.20	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	N. NORTHERN STATES POWER CO. (MINN.)	NORTHERN STATES POWER CO. (MINN.)	NORTHERN STATES POWER CO. (MINN.)	NORTHERN STATES POWER CO. (MINN.)	NORTHERN STATES POWER CO. (MINN.)	
NAME OF PLANT	HIGH BRIDGE	KING	LAWRENCE	MINNESOTA VALLEY	PRAIRIE ISLAND	
UTILITY-PLANT CODE	347000-1300	347000-1400	347000-1500	347000-1800	347000-2350	
STATE	MINNESOTA	MINNESOTA	SOUTH DAKOTA	MINNESOTA	MINNESOTA	
COUNTY	RAMSEY	WASHINGTON	MINNEHAHA	CHIPPEWA	GOODHUE	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	131 07	131 07	007 10	133 07	128 07	
PLANT CAPACITY (MW)	396.84	598.40	48.00	46.00	1,186.20	
ANNUAL GENERATION (MWH)[3]	1,409,000	3,006,700	96,400	135,600	6,870,200	
PLANT HEAT RATE (BTU/KWH)[3]	11,765	9,793	15,359	12,501	11,176	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	804.58	1,459.22	47.72	64.81		
AVERAGE HEAT CONTENT (BTU/LB)	9,141	10,083	9,140	9,335		
AVERAGE SULFUR CONTENT (%)	1.36	2.49	.88	1.43		
AVERAGE ASH CONTENT (%)	10.54	11.35	6.18	9.98		
AVERAGE MOISTURE CONTENT (%)	21.07	16.12	23.52	20.73		
OIL: CONSUMPTION (1,000 BARRELS)	1.53		.34	.82		
AVERAGE HEAT CONTENT (BTU/GAL)	139,513		137,361	139,576		
AVERAGE SULFUR CONTENT (%)	.50		.50	.50		
GAS: CONSUMPTION (1,000 MCF)	2,127.92		604.28	477.36		
AVERAGE HEAT CONTENT (BTU/CU.FT.)	823		999	1,000		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	12	1	3	1		
- NO. OF WET BOTTOM		1				
- NO. WITH FLY ASH REINJECTION		1	2			
- NO. WITH MECHANICAL PRECIPITATORS			3			
- NO. WITH ELECTROSTATIC PRECIPITATORS	4	1		1		
- NO. WITH COMBINATION PRECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00 25.00	16.00	35.00	20.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			85.00 94.00			
TESTED, LOW - HIGH			76.40 78.80			
ESTIMATED, LOW - HIGH			76.00 78.00			
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	99.00	99.00		99.00		
TESTED, LOW - HIGH	90.00 99.50	98.00		99.00		
EST., LOW - HIGH	98.00 99.00			99.00		
DESULFURIZATION SYSTEM EFFICIENCY - DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.84	5.73	.97	.05		
SULFUR DIOXIDE (1,000 TONS)	21.45	71.22	.82	1.82		
NITROGEN OXIDES (1,000 TONS)	7.66	10.94	.51	.68		
STACKS: - TOTAL NO.	3	1	1	1		
- HEIGHT (FEET), LOWEST - HIGHEST[8]	292.50 570.00	789.00	165.00	277.50		
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]	85.50	165.30	3.50	6.20		
SOLD (1,000 TONS)[11]	42.60	20.00				
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			36.00			
ELECTROSTATIC PRECIPITATORS ($1,000)	6,934.00	1,370.00		772.00		
COMBINATION PRECIPITATORS ($1,000)[4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	2,878.00	1,635.00	201.00	123.00		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	395.20	255.20	12.80	63.60		
REVENUES FROM SALE OF ASH ($1,000)	74.10	2.80				
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	400.40	282.40	12.80	63.60		
TOTAL BYPRODUCT SALES REVENUES ($1,000)	75.20	2.80				

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	R MISSISSIPPI	R ST. CROIX	RW BIG SIOUX	R MINNESOTA	R MISSISSIPPI	
AVERAGE RATE OF WITHDRAWAL (CFS)	361.90	437.10	.66	21.40	392.40	
AVERAGE RATE OF DISCHARGE (CFS)	358.80	432.30	.21	21.20	351.20	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	3.11 3.10	4.80	.47	.18 .20	41.20	
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL OEC	JUL OEC	JUL OEC	JUL OEC	JUL OEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	82.00 35.00	82.00 37.00	80.00 34.00	87.00 36.00	83.00 36.00	
AT OUTFALL, SUMMER - WINTER	101.00 62.00	98.00 65.00	88.00 76.00	105.00 62.00	86.00 41.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	23,780.00	10,467.00	38.00	1,235.00	38,548.00	
- WINTER	6,102.00	3,891.00	27.00	273.00	10,736.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	H	C	O	H	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	4.45		3.15 .20	.55		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	31.90	63.75 28.05	1.10	.38	252.83	
LIME (TONS), COOLING WATER - BOILER MAKEUP			180.00	3.00		
ALUM (TONS), COOLING WATER - BOILER MAKEUP						
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	8.55	7.30	.70	.40	7.35	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES YES	YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	PS	ST	ST	ST	
[19] RECEIVING WATER BODY			O ORAIN FIELD	R MINNESOTA		
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING				7.60		
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			1.00	11.00		
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	359.00		10.70	91.20		
- ASH SETTLING			361.00	36.60		

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	6 463.84			1 46.00		
ONCE THROUGH COOLING (SALINE)						
COOLING PONDS						
COOLING TOWERS			3 48.00			
COMBINATIONS[21]		1 598.40			2 1,186.20	
COOLING SYSTEM, YEAR OF INSTALLATION: LOWEST SYSTEM - NEWEST SYSTEM	1923 1959	1968	1948 1951	1953	1973 1974	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	18.00 20.00	16.90	14.50 15.40	16.00	27.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	662.90	619.50	100.30	62.60	1,360.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	662.90	619.50	1.20	62.60	1,360.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	2,142.00	1,819.00	715.00	212.00	5,457.00	
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)		1,633.00	308.00		8,684.00	

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	71.70	242.90	70.00	18.20	480.00	
COST OF CHEMICAL ADDITIVES ($1,000)	2.00	23.90	21.10	.20	2.00	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	36.80	59.10	11.10	5.30	40.00	
COST OF CHEMICAL ADDITIVES ($1,000)	8.60	26.00	2.70	1.30	38.00	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	1	NORTHERN STATES POWER CO. (MINN.)	NORTHERN STATES POWER CO. (MINN.)	NORTHERN STATES POWER CO. (MINN.)	NORTHERN STATES POWER CO. (MINN.)	OHIO EDISON CO.	1
2		2						2
3		3						3
4	NAME OF PLANT	4	RIVERSIDE	WILMARTH	MONTICELLO	ARTHUR LAGER	EDGEWATER	4
5	UTILITY-PLANT CODE	5	347000-2700	347000-3600	347000-4900	347000-5250	354500-0100	5
6	STATE	6	MINNESOTA	MINNESOTA	MINNESOTA	SOUTH DAKOTA	OHIO	6
7	COUNTY	7	HENNEPIN	BLUE EARTH	WRIGHT	MINNEHAHA	LORAIN	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	8	131 07	128 07	127 07	087 10	174 04	8
9	PLANT CAPACITY (MW)	9	455.85	25.00	568.80	75.00	192.87	9
10	ANNUAL GENERATION (MWH)[3]	10	1,695,700	72,600	2,879,500	149,700	855,900	10
11	PLANT HEAT RATE (BTU/KWH)[3]	11	11,312	14,671	10,530	25,664	11,704	11
	AIR QUALITY CONTROL DATA							
	FUEL CONSUMPTION DATA (ANNUAL)							
12	COAL: CONSUMPTION (1,000 TONS)	12	915.73	27.59			426.20	12
13	AVERAGE HEAT CONTENT (BTU/LB)	13	9,162	8,195			11,725	13
14	AVERAGE SULFUR CONTENT (%)	14	1.17	.72			2.79	14
15	AVERAGE ASH CONTENT (%)	15	8.68	7.09			11.21	15
16	AVERAGE MOISTURE CONTENT (%)	16	22.12	27.40			7.89	16
17	OIL: CONSUMPTION (1,000 BARRELS)	17	15.81			112.93		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	18	140,000			151,352		18
19	AVERAGE SULFUR CONTENT (%)	19	.50			.80		19
20	GAS: CONSUMPTION (1,000 MCF)	20	2,220.50	614.77		3,114.75		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	21	987	997		1,003		21
	PLANT EQUIPMENT DATA							
22	BOILERS: - TOTAL NO.	22	18	2		3	3	22
23	- NO. OF WET BOTTOM	23	1					23
24	- NO. WITH FLY ASH REINJECTION	24		2				24
25	- NO. WITH MECHANICAL PRECIPITATORS	25		2				25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26	3				3	26
27	- NO. WITH COMBINATION PRECIPITATORS[4]	27						27
28	- NO. WITH DESULFURIZATION SYSTEMS	28						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	29	20.00 30.00	35.00		15.00	25.00 27.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30		94.00				30
31	TESTED, LOW - HIGH	31		89.90 90.40				31
32	ESTIMATED, LOW - HIGH	32		87.00 88.00				32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	33	98.00 99.00				99.00	33
34	TESTED, LOW - HIGH	34					96.80 99.20	34
35	EST., LOW - HIGH	35					98.00	35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36						36
37	TESTED, LOW - HIGH	37						37
38	ESTIMATED, LOW - HIGH	38						38
	PLANT OPERATING DATA AND COST OF EQUIPMENT							
39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	39	.45	.37		.02	.81	39
40	SULFUR DIOXIDE (1,000 TONS)	40	21.03	.39		.30	23.31	40
41	NITROGEN OXIDES (1,000 TONS)	41	20.72	.33		.86	3.84	41
42	STACKS: - TOTAL NO.	42	9	2		1	2	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	43	253.00 475.00	158.50		150.00	254.00 280.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	44						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	45	77.00	1.90			46.00	45
46	SOLD (1,000 TONS)[11]	46	4.70				5.40	46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]	48						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50		17.10				50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51	2,579.00				1,281.00	51
52	COMBINATION PRECIPITATORS ($1,000)	52						52
53	DESULFURIZATION SYSTEMS ($1,000)	53						53
54	STACKS ($1,000)	54	2,353.00	117.00		83.00	93.00	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55	465.30	4.80			220.30	55
56	REVENUES FROM SALE OF ASH ($1,000)	56					3.90	56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	59	498.60	4.80			222.50	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60	6.30				3.90	60
	WATER QUALITY CONTROL DATA							
61	COOLING WATER: SOURCE	61	R MISSISSIPPI	R MINNESOTA	P MISSISSIPPI	R BIG SIOUX	L ERIE	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62	350.80	20.90	407.10	.62	181.10	62
63	AVERAGE RATE OF DISCHARGE (CFS)	63	347.80	20.70	401.50	.07	181.10	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	64	3.02 3.00	.18 .20	5.60	.55	1.56	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	65	JUL DEC	JUL DEC	JUL DEC	JUL DEC	AUG JAN	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66	82.00 37.00	86.00 40.00	80.00 32.00	90.00 34.00	84.00 49.00	66
67	AT OUTFALL, SUMMER - WINTER	67	98.00 71.00	107.00 67.00	91.00 82.00	99.00 77.00	105.80 74.80	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	68	18,189.00	3,735.00	12,093.00	38.00		68
69	- WINTER	69	6,023.00	6,023.00	3,384.00	27.00		69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	70	H	H	C	O	C	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71	.25	.15		8.50 .05		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72	.18	.08	1.50	43.05	71.68	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73		1.00		104.35		73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74				11.70		74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75	7.00	1.00	56.00	2.15	4.00	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	76	YES	YES	YES	YES YES	YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	77	PS	ST	ST	ST	PS/ST	77
78	RECEIVING WATER BODY[19]	78		O OPAIN FIELD			O LEACHING FIELD	78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	79			7.60	7.40	7.42	79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80			9.80	20.00	354.90	80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	81	212.00	10.70	64.20	2,300.00		81
82	- ASH SETTLING	82						82
	COOLING FACILITY DATA							
83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	83	7 449.86	2 25.00			3 192.87	83
84	ONCE THROUGH COOLING (SALINE)	84						84
85	COOLING POND(S)	85						85
86	COOLING TOWER(S)	86				1 75.00		86
87	COMBINATIONS[21]	87			1 568.80			87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88	1914 1964	1948 1951	1971	1962	1923 1957	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	89	15.00 18.40	18.00	28.00	16.00	15.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90	818.00	51.20	645.00	133.10	325.30	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91	911.50	51.20	645.00	1.35	325.30	91
	CAPITAL COSTS OF COOLING FACILITIES							
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92	2,164.00	390.00	2,639.00	1,622.00	1,519.50	92
93	COOLING PONDS ($1,000)	93						93
94	COOLING TOWERS ($1,000)	94			2,458.00	576.00		94
	ANNUAL COOLING WATER EXPENSES							
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95	113.10	8.70	420.00	135.70	91.10	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96	2.20	.20	12.30	36.20	1.20	96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES							
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97	91.10	15.40	60.00	14.20	23.40	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98	5.00	.30	3.00	15.50	18.90	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	1	OHIO EDISON CO.		OHIO EDISON CO.		OHIO EDISON CO.		OHIO EDISON CO.	1
2		2								2
3		3								3
4	NAME OF PLANT	4	GORGE STEAM		MAD RIVER		NILES		BURGER	TURO:IU 4
5	UTILITY-PLANT CODE	5	354500-0200		354500-0300		354500-0400		354500-0500	354500-0600 5
6	STATE	6	OHIO		OHIO		OHIO		OHIO	OHIU 6
7	COUNTY	7	SUMMIT		CLARK		TRUMBULL		BELMONT	JEFFERSON 7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	8	174 04		173 05		178 05		181 05	181 05 8
9	PLANT CAPACITY (MW)	9	87.50		75.00		250.00		544.00	175.75 9
10	ANNUAL GENERATION (MWH)[3]	10	470,300		220,400		1,369,900		2,947,700	545,600 10
11	PLANT HEAT RATE (BTU/KWH)[3]	11	12,288		15,156		10,475		11,360	11,781 11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	12	259.00		140.20		640.60		1,501.90	350.40 12
13	AVERAGE HEAT CONTENT (BTU/LB)	13	11,323		11,263		11,191		11,139	10,712 13
14	AVERAGE SULFUR CONTENT (%)	14	3.41		1.45		3.12		2.98	2.68 14
15	AVERAGE ASH CONTENT (%)	15	13.27		13.52		15.00		15.31	18.71 15
16	AVERAGE MOISTURE CONTENT (%)	16	7.39		8.80		7.97		7.85	6.88 16
17	OIL: CONSUMPTION (1,000 BARRELS)	17								17
18	AVERAGE HEAT CONTENT (BTU/GAL)	18								18
19	AVERAGE SULFUR CONTENT (%)	19								19
20	GAS: CONSUMPTION (1,000 MCF)	20								20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	21								21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	22	2		4		2		8	3 22
23	- NO. OF WET BOTTOM	23					2			1 23
24	- NO. WITH FLY ASH REINJECTION	24								24
25	- NO. WITH MECHANICAL PRECIPITATORS	25			4		2			25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26	2						6	3 26
27	- NO. WITH COMBINATION PRECIPITATORS[4]	27							2	27
28	- NO. WITH DESULFURIZATION SYSTEMS	28								28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	29	25.00	30.00	18.00	22.00	10.00		25.00	20.00 30.00 29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30			55.00	80.00	70.00			30
31	TESTED, LOW - HIGH	31								31
32	ESTIMATED, LOW - HIGH	32			60.00	79.00	70.00			32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	33		98.00				97.00	99.00	99.00 33
34	TESTED, LOW - HIGH	34	95.10	96.20				94.00	99.60	94.30 34
35	EST., LOW - HIGH	35							97.00	99.00 35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36								36
37	TESTED, LOW - HIGH	37								37
38	ESTIMATED, LOW - HIGH	38								38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	39	1.25		3.71		2.88		5.46	1.80 39
40	SULFUR DIOXIDE (1,000 TONS)	40	17.31		3.98		39.17		87.72	18.41 40
41	NITROGEN OXIDES (1,000 TONS)	41	2.33		1.22		17.62		13.52	3.75 41
42	STACKS: - TOTAL NO.	42	2		3		2		1	1 42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	43	275.00	130.00	275.00		300.00		850.00	650.00 43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	44								44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	45	33.90		17.60		153.80		223.10	63.00 45
46	SOLD (1,000 TONS)[11]	46					59.70		35.60	46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47								47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]	48								48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49								49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50			37.00		172.00			50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51	975.00						8,530.00	2,686.00 51
52	COMBINATION PRECIPITATORS ($1,000)[4]	52							724.00	52
53	DESULFURIZATION SYSTEMS ($1,000)	53								53
54	STACKS ($1,000)	54	47.00		25.00		104.00		4,077.00	1,311.00 54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55	133.60		60.90		187.60		777.60	267.90 55
56	REVENUES FROM SALE OF ASH ($1,000)	56					18.00		14.20	56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57								57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58								58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	59	134.10		61.00		190.60		778.30	269.50 59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60					18.00		28.40	60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	61	R CUYAHOGA		R MAD		P MAHONING		R OHIO	R OHIO 61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62		163.60		88.10		323.80		828.80 323.60 62
63	AVERAGE RATE OF DISCHARGE (CFS)	63		163.60		88.10		323.80		828.80 323.60 63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	64	1.41		.76		2.78		7.13	2.78 64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	65	AUG	JAN	AUG	JAN	AUG	JAN	AUG JAN	AUG JAN 65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66	93.00	42.00	74.00	39.00	81.80	41.30	86.00 42.00	85.80 41.40 66
67	AT OUTFALL, SUMMER - WINTER	67	110.00	65.00	92.00	62.00	107.00	72.00	105.00 65.00	102.00 78.00 67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	68		148.70				523.90	15,800.00	15,800.00 68
69	- WINTER	69		895.90				4,949.80	72,700.00	72,700.00 69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, D[16]	70	C		C		C		C	C 70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71								71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72		7.35				70.10	101.54	153.53 72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73				8.45				1.88 73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74				.40			.20	1.63 74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75	15.00				24.00		9.50	12.68 .33 75
76	DTHEP (YES/NO), COOLING WATER - BOILER MAKEUP[17]	76		YES		YES		YES	YES	YES 76
77	SEWAGE DISPOSAL: METHOD RS, ST, SW, DT[18]	77	OT		ST		ST		ST	ST 77
78	[19] RECEIVING WATER BODY	78	R CUYAHOGA		P MAD		R MAHONING RIVER		P OHIO	P OHIO 78
79	POND DISCHARGE: RH, BOILER BLOWDOWN - ASH SETTLING	79		7.90				7.10	8.40	7.40 79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80		10.60				34.50		672.80 80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	81								81
82	- ASH SETTLING	82								82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	83	2	87.50	3	75.00	2	250.00	5 544.00	3 175.75 83
84	ONCE THROUGH COOLING (SALINE)	84								84
85	COOLING POND(S)	85								85
86	COOLING TOWER(S)	86								86
87	COMBINATIONS[21]	87								87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88	1943	1948	1927	1949		1954	1944 1955	1940 1949 88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	89	17.00	18.00		15.00		15.00	15.00	8.00 14.00 89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90		196.06		172.80		312.00	809.30	363.16 90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91		196.06		172.80		312.00	1,239.84	363.16 91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92		182.60		24.00		554.00	4,736.00	346.70 92
93	COOLING PONDS ($1,000)	93								93
94	COOLING TOWERS ($1,000)	94								94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95	69.40		85.70		128.30		374.10	106.60 95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96	4.40		.15		7.10		4.30	3.04 96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97	14.20		8.00		33.50		126.90	60.00 97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98	13.40		5.97		14.30		29.90	40.76 98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	OHIO EDISON CO.	OHIO EDISON CO	OHIO ELECTRIC CO.	OHIO POWER CO.	OHIO POWER CO.	1
2							2
3							3
4	NAME OF PLANT	SAMMIS	NORWALK	GAVIN	KAMMER	MUSKINGUM	4
5	UTILITY-PLANT CODE	354500-0700	354500-0800	354575-0500	355000-0100	355000-0200	5
6	STATE	OHIO	OHIO	OHIO	WEST VIRGINIA	OHIO	6
7	COUNTY	JEFFERSON	HURON	GALLIA	MARSHALL	MORGAN	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	181 05	180 04	103 05	181 05	179 05	8
9	PLANT CAPACITY (MW)	2,303.50	31.33	2,600.00	675.00	1,466.80	9
10	ANNUAL GENERATION (MWH)[3]	10,293,000	21,000	12,135,200	3,545,100	7,041,600	10
11	PLANT HEAT RATE (BTU/KWH)[3]	10,054	17,622	9,797	10,176	9,653	11
	AIR QUALITY CONTROL DATA						
	FUEL CONSUMPTION DATA (ANNUAL)						
12	COAL: CONSUMPTION (1,000 TONS)	4,817.90	15.60	5,766.70	1,542.40	3,307.20	12
13	AVERAGE HEAT CONTENT (BTU/LB)	10,740	11,582	10,254	11,083	10,245	13
14	AVERAGE SULFUR CONTENT (%)	2.74	3.39	2.50	4.23	4.52	14
15	AVERAGE ASH CONTENT (%)	17.03	12.48	16.37	14.83	19.88	15
16	AVERAGE MOISTURE CONTENT (%)	8.63	6.87	11.34	5.56	7.14	16
17	OIL: CONSUMPTION (1,000 BARRELS)		1.50	142.70	6.12	35.90	17
18	AVERAGE HEAT CONTENT (BTU/GAL)		138,000	133,218	138,812	139,570	18
19	AVERAGE SULFUR CONTENT (%)		.30	.10	.47	.28	19
20	GAS: CONSUMPTION (1,000 MCF)						20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)						21
	PLANT EQUIPMENT DATA						
22	BOILERS: - TOTAL NO.	7	5	2	3	5	22
23	- NO. OF WET BOTTOM				3	4	23
24	- NO. WITH FLY ASH REINJECTION						24
25	- NO. WITH MECHANICAL PRECIPITATORS		1				25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	7	1	2		5	26
27	- NO. WITH COMBINATION PRECIPITATORS[4]						27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	18.00 20.00	18.00 36.00	20.00	20.00	15.00 20.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		88.00				30
31	TESTED, LOW - HIGH						31
32	ESTIMATED, LOW - HIGH		88.00		75.00		32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	97.00 99.00	98.00	99.75		99.50 99.50	33
34	TESTED, LOW - HIGH	92.10 98.00		99.77 99.87		68.00 99.30	34
35	EST., LOW - HIGH	80.00 95.00	98.00				35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38
	PLANT OPERATING DATA AND COST OF EQUIPMENT						
39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	68.58		1.21	5.72	75.14	39
40	SULFUR DIOXIDE (1,000 TONS)	258.74		255.26	127.88	293.03	40
41	NITROGEN OXIDES (1,000 TONS)	43.36		46.98	42.43	53.28	41
42	STACKS: - TOTAL NO.	5	4	1	2	2	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	504.00 1,000.00	47.50 180.00	1,100.00	601.00	828.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]				5.84		44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	801.20	2.00	926.70	214.80	575.70	45
46	SOLD (1,000 TONS)[11]	17.10			101.80	127.90	46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	4,783.00		12,000.00		18,737.00	51
52	COMBINATION PRECIPITATORS ($1,000)[4]						52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)	7,609.00		14,306.00		4,025.00	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	2,581.00	18.40	1,367.00	301.00	993.10	55
56	REVENUES FROM SALE OF ASH ($1,000)	7.30			115.00	84.40	56
57	BULK BYPRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	2,719.00	18.90	1,589.00	315.00	1,202.80	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	7.30			115.00	84.40	60
	WATER QUALITY CONTROL DATA						
61	COOLING WATER: SOURCE	OHIO	C NORWALK	R OHIO	R OHIO	R MUSKINGUM	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	2,705.20	.20	50.80	1,069.00	1,330.00	62
63	AVERAGE RATE OF DISCHARGE (CFS)	2,705.20		6.60	1,058.00	1,284.30	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	23.26	.20	44.10	9.19 11.00	11.49 51.70	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG JAN	AUG JAN	AUG DEC	AUG DEC	JUL JAN	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT CIVEPSION, SUMMER - WINTER	85.00 42.00	84.00	87.50 47.30	85.80 50.00	89.00 45.00	66
67	AT OUTFALL, SUMMER - WINTER	108.00 72.00	102.00 60.00	87.50 47.30	95.70 59.90	102.00 62.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	15,800.00		83,600.00	19,820.00	2,616.00	68
69	- WINTER	72,700.00		41,300.00	65,380.00	17,755.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	C	C	C	C	C	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP				.30	.45	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	318.34		287.50	.10	334.40	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP				8.75		73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP			28.00			74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	97.00		18.00 2.75	30.00	80.00 4.00	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES		YES YES	YES	YES YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	PS	SW	OT	OT	77
78	[19] RECEIVING WATER BODY	R OHIO		R OHIO	R OHIO	R MUSKINGUM	78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	4.80		8.11 8.11	6.80		79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	190.60		4.00 4.00	44.00		80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN			635,000.00		785.00	81
82	- ASH SETTLING			635,000.00		780.00	82
	COOLING FACILITY DATA						
83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	7 2,303.50			3 675.00	4 880.00	83
84	ONCE THROUGH COOLING (SALINE)						84
85	COOLING POND(S)		5 31.33				85
86	COOLING TOWER(S)			2 2,600.00		1 615.00	86
87	COMBINATIONS[21]						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1959 1971	1935 1969	1974 1975	1957 1958	1953 1967	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	15.70 19.90	15.00	20.00	12.20	12.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	2,587.60	83.60	2,250.00	1,014.00	1,828.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	2,587.60			1,014.00	1,338.00	91
	CAPITAL COSTS OF COOLING FACILITIES						
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	12,963.00					92
93	COOLING PONDS ($1,000)						93
94	COOLING TOWERS ($1,000)			24,000.00			94
	ANNUAL COOLING WATER EXPENSES						
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	999.60	1.00	15.32	348.00	808.00	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	31.80		107.67	7.72	33.00	96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES						
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	358.30	6.00	19.93	32.00	60.00	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	140.50	6.97	114.35	8.84	55.00	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	OHIO POWER CO.	OHIO POWER CO.	OHIO POWER CO.	OHIO VALLEY ELECTRIC CORP.	OKLAHOMA GAS & ELECTRIC CO.	1
2							2
3							3
4	NAME OF PLANT	PHILO	TIDD	MITCHELL	KYGER CREEK	ARBUCKLE	4
5	UTILITY-PLANT CODE	3550000-0300	3550000-0400	3550000-0600	3560000-0100	3560300-0100	5
6	STATE	OHIO	OHIO	WEST VIRGINIA	OHIO	OKLAHOMA	6
7	COUNTY	MUSKINGUM	JEFFERSON	MARSHALL	GALLIA	MURRAY	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	183 05	181 05	181 05	103 05	186 11	8
9	PLANT CAPACITY (MW)	395.00	222.20	1,448.20	1,086.30	73.50	9
10	ANNUAL GENERATION (MWH)[3]	276,400	711,900	7,561,000	7,527,700	296,300	10
11	PLANT HEAT RATE (BTU/KWH)[3]	14,242	12,470	9,782	9,812	12,646	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	166.00	400.80	3,266.40	3,234.00		12
13	AVERAGE HEAT CONTENT (BTU/LB)	10,135	10,944	11,247	11,182		13
14	AVERAGE SULFUR CONTENT (%)	3.11	2.04	3.59	4.12		14
15	AVERAGE ASH CONTENT (%)	15.47	17.72	17.82	14.66		15
16	AVERAGE MOISTURE CONTENT (%)	9.82	6.98	5.67	8.34		16
17	OIL: CONSUMPTION (1,000 BARRELS)		25.90	85.15			17
18	AVERAGE HEAT CONTENT (BTU/GAL)		138,400	138,812			18
19	AVERAGE SULFUR CONTENT (%)		.10	.32			19
20	GAS: CONSUMPTION (1,000 MCF)					3,604.00	20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)					1,037	21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	5	3	2	5	1	22
23	- NO. OF WET BOTTOM	1			5		23
24	- NO. WITH FLY ASH REINJECTION						24
25	- NO. WITH MECHANICAL PRECIPITATORS	4	3				25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS			2			26
27	- NO. WITH COMBINATION PRECIPITATORS[4]				5		27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00	20.00	18.00	18.00	5.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	65.00	85.00				30
31	TESTED, LOW - HIGH						31
32	ESTIMATED, LOW - HIGH	85.00	30.00 73.00				32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH			98.50	96.10		33
34	TESTED, LOW - HIGH			97.35 97.63			34
35	EST., LOW - HIGH				96.10		35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	2.98	27.83	11.90	12.02		39
40	SULFUR DIOXIDE (1,000 TONS)	10.12	20.64	220.30	261.15		40
41	NITROGEN OXIDES (1,000 TONS)	2.77	3.05	28.35	48.51	.70	41
42	STACKS: - TOTAL NO.	3	3	1	3	1	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	150.00 182.00	247.00	1,203.00	538.00	140.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]		70.60	527.40	450.00		45
46	SOLD (1,000 TONS)[11]			69.90	6.00		46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						50
51	ELECTROSTATIC PRECIPITATORS ($1,000)			6,852.00			51
52	COMBINATION PRECIPITATORS ($1,000)[4]				2,675.00		52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)			7,725.00	2,211.00	10.70	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		88.50	1,025.00	916.00		55
56	REVENUES FROM SALE OF ASH ($1,000)			33.00	3.00		56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		88.50	1,001.00	966.00		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)			33.00	3.00		60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	R MUSKINGUM	R OHIO		R OHIO	W	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	763.00	408.50	100.30	1,849.00	1.01	62
63	AVERAGE RATE OF DISCHARGE (CFS)	783.00	408.50		1,849.00	.38	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	6.73	3.51	100.30	15.90	1.23	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]		JUN DEC	SEP MAR	APR FEB	SEP DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER		77.00 47.00	78.50 46.90	57.00 46.00		66
67	AT OUTFALL, SUMMER - WINTER		85.00 57.00		69.10 58.10	84.00 82.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	783.00	57,926.00	52,680.00			68
69	- WINTER	783.00	65,381.00	57,290.00			69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	C	C	C	C	C	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		.08				71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		4.15	279.72		.10	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP						73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP			34.18		.60	74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	15.00	5.70 .30	36.00	150.00	9.73 .85	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES		YES YES	YES YES	YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	SW	DT	OT	OT	ST	77
78	RECEIVING WATER BODY[19]	P MUSKINGUM		R OHIO	R OHIO		78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	7.85	8.50	7.70	7.40		79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	50.00	20.00	35.00			80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING						81
82		110,000.00	4,900.00		70,500.00		82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	3 324.00	2 222.20		5 1,086.30		83
84	ONCE THROUGH COOLING (SALINE)						84
85	COOLING PONDS(S)						85
86	COOLING TOWER(S)			2 1,600.00		1 73.50	86
87	COMBINATIONS[21]						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1941 1956	1945 1948	1970 1971	1955	1953	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	15.00	13.00	26.00	12.00	17.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	552.00	423.40	1,325.40	1,693.50	134.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	560.00	424.00		1,693.50		91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)				2,880.00		92
93	COOLING PONDS ($1,000)						93
94	COOLING TOWERS ($1,000)					740.00	94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	.14	90.30	1,154.00	493.00	7.20	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	2.10	1.50	19.23	22.00	14.20	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	30.43	37.30	72.00	48.00	3.40	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	3.50	1.50	78.26	6.00	.50	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	OKLAHOMA GAS & ELECTRIC CO.	OKLAHOMA GAS & ELECTRIC CO.	OKLAHOMA GAS & ELECTRIC CO.	OKLAHOMA GAS & ELECTRIC CO.	OKLAHOMA GAS & ELECTRIC CO.	1
2							2
3							3
4	NAME OF PLANT	BELLE ISLE	HOPSESHOE LAKE	MUSTANG	OSAGE	MUSKOGEE	4
5	UTILITY-PLANT CODE	356500-0200	356500-0500	356500-0600	356500-0700	356500-0800	5
6	STATE	OKLAHOMA	OKLAHOMA	OKLAHOMA	OKLAHOMA	OKLAHOMA	6
7	COUNTY	OKLAHOMA	OKLAHOMA	OKLAHOMA	KAY	MUSKOGEE	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	184 11	184 11	184 11	185 11	186 11	8
9	PLANT CAPACITY (MW)	55.00	916.23	509.30	40.00	195.90	9
10	ANNUAL GENERATION (MWH)[3]	48,000	3,761,900	2,681,800	42,000	957,500	10
11	PLANT HEAT RATE (BTU/KWH)[3]	16,846	9,867	10,815	14,514	10,610	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)							12
13	AVERAGE HEAT CONTENT (BTU/LB)							13
14	AVERAGE SULFUR CONTENT (%)							14
15	AVERAGE ASH CONTENT (%)							15
16	AVERAGE MOISTURE CONTENT (%)							16
17	OIL: CONSUMPTION (1,000 BARRELS)		1.90					17
18	AVERAGE HEAT CONTENT (BTU/GAL)		147,397					18
19	AVERAGE SULFUR CONTENT (%)		1.00					19
20	GAS: CONSUMPTION (1,000 MCF)	775.70	35,159.00	30,049.00	585.00	9,797.00		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,043	1,034	1,037	1,043	1,037		21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	3	9	4	3	7		22
23	- NO. OF WET BOTTOM		1	2	2			23
24	- NO. WITH FLY ASH REINJECTION							24
25	- NO. WITH MECHANICAL PRECIPITATORS							25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS							26
27	- NO. WITH COMBINATION PRECIPITATORS[4]							27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00	7.00 16.00	7.00 16.00	7.00 15.00	7.00 20.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH							32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH							33
34	TESTED, LOW - HIGH							34
35	EST., LOW - HIGH							35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)							39
40	SULFUR DIOXIDE (1,000 TONS)		.01					40
41	NITROGEN OXIDES (1,000 TONS)	.15	6.86	5.86	.11	1.91		41
42	STACKS: - TOTAL NO.	1	8	4	2	3		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	275.50	168.00 189.00	167.00 250.00	154.00	176.00 268.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]							45
46	SOLD (1,000 TONS)[11]							46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							50
51	ELECTROSTATIC PRECIPITATORS ($1,000)							51
52	COMBINATION PRECIPITATORS ($1,000)[4]							52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	18.00	332.20	277.50	24.30	187.10		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)							55
56	REVENUES FROM SALE OF ASH ($1,000)							56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]							59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE.	C LOCAL RUNOFF	R NORTH CANADIAN	M	R ARKANSAS	R ARKANSAS		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	1.15	23.71	6.78	29.00	120.20		62
63	AVERAGE RATE OF DISCHARGE (CFS)	.60	10.61	1.23	25.00	120.20		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.55	13.10	5.55	.22 .20	1.03 2.00		64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	SEP JAN	SEP DEC	SEP DEC	SEP OCT	SEP OCT		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER							66
67	AT OUTFALL, SUMMER - WINTER	82.00 86.00	107.00 73.50	92.00 68.00	92.00 87.00	110.00 77.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER							68
69	- WINTER							69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	C	C	C	C		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP							71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP					20.00		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP							73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	.60						74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP		38.45	13.20				75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES YES	YES YES	YES	YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	ST	ST	ST	OT		77
78	[19] RECEIVING WATER BODY							78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING							79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING							80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							81
82	- ASH SETTLING							82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)				2 40.00	3 195.90		83
84	ONCE THROUGH COOLING (SALINE)							84
85	COOLING POND(S)	2 55.00	7 473.43					85
86	COOLING TOWER(S)		1 442.80	4 509.30				86
87	COMBINATIONS[21]							87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1930	1924 1969	1950 1959	1929 1948	1924 1956		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	15.00	13.00 19.00	15.50 22.50	12.30 15.80	12.00 20.20		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	141.20	1,314.80	583.60	91.00	252.60		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)				91.00	256.70		91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)				69.50	1,007.70		92
93	COOLING PONDS ($1,000)	179.40	2,117.00					93
94	COOLING TOWERS ($1,000)		1,926.00	4,125.80				94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	1.00	103.70	165.00	2.00	1.10		95
96	COST OF CHEMICAL ADDITIVES ($1,000)		47.20	91.50				96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	4.00	53.80	5.80	1.00	3.90		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	1.00	36.00	4.90	1.00	4.30		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	OKLAHOMA GAS & ELECTRIC CO.	OMAHA PUBLIC POWER DISTRICT	OMAHA PUBLIC POWER DISTRICT	OMAHA PUBLIC POWER DISTRICT	OPELOUSAS, CITY OF	
4 NAME OF PLANT	SEMINOLE	FORT CALHOUN	JONES STREET	NORTH OMAHA	OPELOUSAS #2	
5 UTILITY-PLANT CODE	356500-1100	357000-0050	357000-0100	357000-0200	358500-0200	
6 STATE	OKLAHOMA	NEBRASKA	NEBRASKA	NEBRASKA	LOUISIANA	
7 COUNTY	SEMINOLE	WASHINGTON	DOUGLAS	DOUGLAS	ST. LANDRY	
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	188 11	146 10	085 10	085 10	106 08	
9 PLANT CAPACITY (MW)	1,701.00	455.00	83.00	646.00	38.00	
10 ANNUAL GENERATION (MWH)[3]	7,731,400	2,062,400	39,000	2,864,600	84,000	
11 PLANT HEAT RATE (BTU/KWH)[3]	10,195		20,897	10,369	10,030	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)				808.01		
13 AVERAGE HEAT CONTENT (BTU/LB)				10,445		
14 AVERAGE SULFUR CONTENT (%)				.71		
15 AVERAGE ASH CONTENT (%)				9.30		
16 AVERAGE MOISTURE CONTENT (%)				13.01		
17 OIL: CONSUMPTION (1,000 BARRELS)	10.39		40.54			
18 AVERAGE HEAT CONTENT (BTU/GAL)	147,000		137,698			
19 AVERAGE SULFUR CONTENT (%)	1.00		.25			
20 GAS: CONSUMPTION (1,000 MCF)	75,425.00		581.21	12,773.05	1,307.32	
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,032		999	1,000	1,030	

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	3		2	5	2	
23 - NO. OF WET BOTTOM						
24 - NO. WITH FLY ASH REINJECTION						
25 - NO. WITH MECHANICAL PRECIPITATORS			2			
26 - NO. WITH ELECTROSTATIC PRECIPITATORS				2		
27 - NO. WITH COMBINATION PRECIPITATORS[4]				3		
28 - NO. WITH DESULFURIZATION SYSTEMS						
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	6.00 7.00		20.00	20.00 25.00	10.00	
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			85.00			
31 TESTED, LOW - HIGH						
32 ESTIMATED, LOW - HIGH			85.00			
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH				96.00 98.00		
34 TESTED, LOW - HIGH				95.60 96.10		
35 EST., LOW - HIGH				96.00 98.00		
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
37 TESTED, LOW - HIGH						
38 ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)				2.09		
40 SULFUR DIOXIDE (1,000 TONS)	.03		.01	11.24		
41 NITROGEN OXIDES (1,000 TONS)	14.73		.15	9.76	.25	
42 STACKS: - TOTAL NO.	5		1	5	2	
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	178.00 350.00		147.00	200.00		
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]				76.51		
46 SOLD (1,000 TONS)[11]						
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			98.70			
51 ELECTROSTATIC PRECIPITATORS ($1,000)				647.00		
52 COMBINATION PRECIPITATORS ($1,000)[4]				776.00		
53 DESULFURIZATION SYSTEMS ($1,000)						
54 STACKS ($1,000)	242.00		32.90	494.50	26.00	
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)				91.40		
56 REVENUES FROM SALE OF ASH ($1,000)						
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]				91.40		
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	K CANADIAN	K MISSOURI	P MISSOURI	K MISSOURI	M	
62 AVERAGE RATE OF WITHDRAWAL (CFS)	32.27	650.20	15.50	730.90		
63 AVERAGE RATE OF DISCHARGE (CFS)	20.84	650.20	15.50	730.90		
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	11.43	5.94	.13	6.29		
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	SEP OEC	AUG DEC	AUG DEC	AUG DEC		
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT CIVERSION, SUMMER - WINTER		81.00 37.00	80.00 37.00	81.00 39.00		
67 AT OUTFALL, SUMMER - WINTER	98.00	98.00 56.00	102.00 38.00	97.00 50.00		
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		65,250.00	65,250.00	15,250.00		
69 - WINTER		34,020.00	34,020.00	34,020.00		
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, D, D[16]	C	C	C	E		
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		2.00	.08	1.20	.24	
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		182.15	.10	.85	.10	
73 LIME (TONS), COOLING WATER - BOILER MAKEUP		90.80				
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP	27.50	20.05				
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	16.00 2.18	5.57				
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES	YES	YES	YES	YES YES	
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[17]	ST	OT	PS	PS	PS	
78 [17] RECEIVING WATER BODY		P MISSOURI				
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING				10.00		
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING				100.00		
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						
82 - ASH SETTLING				63,200.00		

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		1 455.00	2 83.00	5 646.00		
84 ONCE THROUGH COOLING (SALINE)						
85 COOLING POND(S)	3 1,701.00					
86 COOLING TOWER(S)					2 38.00	
87 COMBINATIONS[21]						
88 COOLING SYSTEM, YEAR OF INSTALLATION: CLOSEST SYSTEM - NEWEST SYSTEM	1971	1972	1949 1951	1954 1968	1965 1970	
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	15.80	18.00	15.40	16.00 17.50	11.00	
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	2,121.60	701.80	138.30	797.80	73.70	
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		802.10	138.30	841.10		

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)		4,671.00	1,023.00	4,595.40		
93 COOLING PONDS ($1,000)	7,650.00					
94 COOLING TOWERS ($1,000)					165.00	

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	11.50	137.50	6.70	127.70	20.00	
96 COST OF CHEMICAL ADDITIVES ($1,000)	4.20				9.00	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	26.80	68.50	13.20	52.90	139.10	
98 COST OF CHEMICAL ADDITIVES ($1,000)	23.20	119.40	16.80	39.80	8.30	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	ORANGE & ROCKLAND UTIL. INC.	ORANGE & ROCKLAND UTIL. INC.	ORLANDO UTILITIES COMM.	ORLANDO UTILITIES COMM.	OTTER TAIL PWR CO.	1
2							2
3							3
4	NAME OF PLANT	LOVETT	BOWLINE POINT	INDIAN RIVER	LAKE HIGHLAND	BIG STONE	4
5	UTILITY-PLANT CODE	359000-0200	359000-0700	361000-0100	361000-0200	365500-0250	5
6	STATE	NEW YORK	NEW YORK	FLORIDA	FLORIDA	SOUTH DAKOTA	6
7	COUNTY	ROCKLAND	ROCKLAND	BREVARD	ORANGE	GRANT	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	043 02	043 02	048 03	048 03	206 07	8
9	PLANT CAPACITY (MW)	495.12	1,242.00	638.80	103.75	455.66	9
10	ANNUAL GENERATION (MWH)[3]	1,613,100	5,605,100	2,450,100	195,000	1,400,100	10
11	PLANT HEAT RATE (BTU/KWH)[3]	10,812	9,863	10,396	14,535	11,779	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)					1,351.93	12
13	AVERAGE HEAT CONTENT (BTU/LB)					6,060	13
14	AVERAGE SULFUR CONTENT (%)					.81	14
15	AVERAGE ASH CONTENT (%)					7.46	15
16	AVERAGE MOISTURE CONTENT (%)					42.51	16
17	OIL: CONSUMPTION (1,000 BARRELS)	2,374.23	9,081.50	3,895.04	291.86	26.36	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	144,533	143,639	148,272	148,591	140,000	18
19	AVERAGE SULFUR CONTENT (%)	.33	.31	1.70	1.67	.50	19
20	GAS: CONSUMPTION (1,000 MCF)	2,950.10	15.37	1,080.07	967.96		20
21	AVEPAGE HEAT CONTENT (BTU/CU.FT.)	1,026	1,028	1,051	1,048		21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	5	2	3	4	1	22
23	- NO. OF WET BOTTOM					1	23
24	- NO. WITH FLY ASH REINJECTION						24
25	- NO. WITH MECHANICAL PRECIPITATORS	3					25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	2				1	26
27	- NO. WITH COMBINATION PRECIPITATORS[4]						27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00 25.00	7.00	5.00 12.00	15.00	28.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	85.00					30
31	TESTED, LOW - HIGH						31
32	ESTIMATED, LOW - HIGH	85.00					32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	95.00				98.80	33
34	TESTED, LOW - HIGH					99.50	34
35	EST., LOW - HIGH	92.00					35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.03	1.53	.65	.05	.05	39
40	SULFUR DIOXIDE (1,000 TONS)	2.63	9.45	22.22	1.64	21.51	40
41	NITROGEN OXIDES (1,000 TONS)	5.81	20.03	8.80	.83	37.24	41
42	STACKS: - TOTAL NO.	5	2	2	4	1	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	175.00 245.00	286.00	300.00	112.50	498.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]			.24			44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]			.11		101.20	45
46	SOLD (1,000 TONS)[11]					4.00	46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	139.10					50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	634.92				9,159.30	51
52	COMBINATION PRECIPITATORS ($1,000)[4]						52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)	278.76	2,395.80	140.00	57.00	1,572.60	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)					73.74	55
56	REVENUES FROM SALE OF ASH ($1,000)					19.52	56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]			26.00		73.74	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)					19.52	60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	R HUDSON	R HUDSON	R INDIAN	L	L BIG STONE	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	396.00	1,224.00	1,270.00		3.54	62
63	AVERAGE RATE OF DISCHARGE (CFS)	396.00	1,224.00	1,270.00			63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	3.41	10.53	10.92		3.54	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC	AUG DEC	AUG DEC	AUG DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	86.00 53.00	82.50 48.50	96.30 76.10	92.00 67.00		66
67	AT OUTFALL, SUMMER - WINTER	101.00 84.00	99.00 62.00	107.00 89.00	109.00 79.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	35,700.00	35,700.00				68
69	- WINTER	35,700.00	35,700.00				69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O'[16]	H	H	C	H		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.47	1.33	.62	2.00		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.10	507.00		.04	322.81	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP			22.00	4.00	24.00	73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP						74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	4,807.25	48.30	47.45 1.14	10.00	2.00 1.00	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT	PS	OT	PS	OT	77
78	RECEIVING WATER BODY[19]	R HUDSON				O COOLING PONO	78
79	PONO DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	6.60					79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	29.00					80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						81
82	- ASH SETTLING						82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)				3 103.75		83
84	ONCE THROUGH COOLING (SALINE)	5 495.10	2 1,242.00	3 575.50			84
85	COOLING POND(S)					1 455.66	85
86	COOLING TOWER(S)						86
87	COMBINATIONS[21]						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1949 1969	1972 1974	1960 1974	1949 1950	1975	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	12.00 15.50	14.90	9.58 10.88	15.00	30.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	706.00	1,674.00	1,227.00	180.50	302.80	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	734.00	1,712.00	1,227.00	189.50		91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	2,025.17		1,135.00	1,270.60		92
93	COOLING PONDS ($1,000)					7,781.60	93
94	COOLING TOWERS ($1,000)						94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)			71.03	65.00	18.74	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	1.00	7.30	11.36	2.50	.50	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)			30.44	5.00	46.10	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	17.60	219.50	5.25	3.00	139.00	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	OTTER TAIL PWR CO	OWATONNA MUN PUBLIC UTILS	OWENSBORO MUNICIPAL UTIL.	OWENSBORO MUNICIPAL UTIL.	PACIFIC GAS & ELECTRIC CO.		1
2								2
3								3
4	NAME OF PLANT	HOOT LAKE	OWATONNA	SMITH	OWENSBORO #1	AVON		4
5	UTILITY-PLANT CODE	365500-1400	366500-0100	367000-0100	367000-0200	370000-0300		5
6	STATE	MINNESOTA	MINNESOTA	KENTUCKY	KENTUCKY	CALIFORNIA		6
7	COUNTY	OTTER TAIL	STEELE	DAVIESS	DAVIESS	CONTRA COSTA		7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	132 09	120 07	077 05	077 05	030 18		8
9	PLANT CAPACITY (MW)	136.90	34.50	416.00	50.00	40.00		9
10	ANNUAL GENERATION (MWH)[3]	795,800	104,000	2,087,000	22,000	247,000		10
11	PLANT HEAT RATE (BTU/KWH)[3]	12,003	10,435	10,105	15,806	14,308		11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	680.60		1,010.00	16.70			12
13	AVERAGE HEAT CONTENT (BTU/LB)	7,005		10,401	10,172			13
14	AVERAGE SULFUR CONTENT (%)	.76		3.58	3.53			14
15	AVERAGE ASH CONTENT (%)	6.69		12.76	14.00			15
16	AVERAGE MOISTURE CONTENT (%)	35.62		12.74	12.88			16
17	OIL: CONSUMPTION (1,000 BARRELS)	1.89	104.20	6.10	1.20	116.02		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	140,000	150,000	140,000	140,000	149,307		18
19	AVERAGE SULFUR CONTENT (%)	.50	3.50	3.50	3.50	2.50		19
20	GAS: CONSUMPTION (1,000 MCF)		1,050.60			3,820.79		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,000			1,056		21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	3	6	2	4	3		22
23	- NO. OF WET BOTTOM			1				23
24	- NO. WITH DRY ASH REINJECTION							24
25	- NO. WITH MECHANICAL PRECIPITATORS	1						25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	2		2				26
27	- NO. WITH COMBINATION PRECIPITATORS[4]				4			27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	17.00 40.00	22.00 40.00	16.00 20.00	20.00 22.00	10.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	90.50						30
31	TESTED, LOW - HIGH	73.50						31
32	ESTIMATED, LOW - HIGH	70.00						32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	99.00		97.00 98.00	90.00			33
34	TESTED, LOW - HIGH	98.30 99.70		97.00 97.40				34
35	EST., LOW - HIGH	98.30 99.30		81.40 97.40	90.00			35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.91	.02	12.84	.20	.02		39
40	SULFUR DIOXIDE (1,000 TONS)	10.14	1.23	70.94	1.17	.97		40
41	NITROGEN OXIDES (1,000 TONS)	6.07	.44	16.13	.15	1.00		41
42	STACKS: - TOTAL NO.	2	4	1	2	3		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	133.00 225.00	62.00 109.00	650.00	152.00	200.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	45.00		122.20	2.30			45
46	SOLD (1,000 TONS)[11]	12.00		7.20				46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	102.70						50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	1,950.00		973.00				51
52	COMBINATION PRECIPITATORS ($1,000)[4]				172.00			52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	133.70		1,564.00	103.10	558.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	107.14		135.90	12.00			55
56	REVENUES FROM SALE OF ASH ($1,000)	46.15		9.00				56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	107.14	2.10	135.90	12.00			59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	46.15		9.00				60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	R OTTER TAIL	M	R OHIO	R OHIO	R SUISUN		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	105.90		307.00	49.80			62
63	AVERAGE RATE OF DISCHARGE (CFS)	105.86		304.00	49.80			63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.04		2.64 2.40	.43 .20			64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC		AUG DEC	AUG			65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	80.00 35.00		85.00 50.00	86.00			66
67	AT OUTFALL, SUMMER - WINTER	98.00 70.00		110.00 89.00	102.00			67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	401.00		49,535.00	50,000.00			68
69	- WINTER	137.20		59,000.00				69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C		H	H			70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.21	.06 .14	.30	.16	5.02		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.39	.15	.20	.05	2.15		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP					99.45		73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP							74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	.38	.82	7.35				75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES YES	YES	YES	YES YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	PS	ST	PS	ST		77
78	RECEIVING WATER BODY							78
79	POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING	10.50		6.40 7.00				79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			38.00 17.00				80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	601.32		9,500.00				81
82	- ASH SETTLING			190,000.00				82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)			2 416.00	3 45.00			83
84	ONCE THROUGH COOLING (SALINE)							84
85	COOLING POND(S)							85
86	COOLING TOWER(S)		6 34.50			1 40.00		86
87	COMBINATIONS[21]	3 136.90						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1948 1964	1959 1973	1963 1974	1939 1954	1940		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	12.00 22.00	14.00 15.00	20.00	15.00	15.00		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	179.80	40.40	462.00	80.40	43.60		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	180.00		470.00	120.00			91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	972.00		1,556.00	296.00			92
93	COOLING PONDS ($1,000)							93
94	COOLING TOWERS ($1,000)	542.00	450.00			180.00		94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	5.01	95.00	41.00	3.40			95
96	COST OF CHEMICAL ADDITIVES ($1,000)	.16	23.00	2.00		13.00		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	37.28	5.00	35.00	3.40			97
98	COST OF CHEMICAL ADDITIVES ($1,000)	9.90	6.00	5.30	.70	38.60		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	PACIFIC GAS & ELECTRIC CO.	PACIFIC GAS & ELECTRIC CO.	PACIFIC GAS & ELECTRIC CO.	PACIFIC GAS & ELECTRIC CO.	PACIFIC GAS & ELECTRIC CO.	
NAME OF PLANT	CONTRA COSTA	HUMBOLDT BAY	HUNTERS POINT	MARTINEZ	MORRO BAY	
UTILITY-PLANT CODE	370000-1400	370000-3100	370000-3200	370000-4100	370000-4400	
STATE	CALIFORNIA	CALIFORNIA	CALIFORNIA	CALIFORNIA	CALIFORNIA	
COUNTY	CONTRA COSTA	HUMBOLDT	SAN FRANCISCO	CONTRA COSTA	SAN LUIS OBISPO	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	030 18	026 16	030 18	030 18	032 18	
PLANT CAPACITY (MW)	1,276.10	167.70	371.40	40.00	1,056.30	
ANNUAL GENERATION (MWH)[3]	2,812,600	154,000	1,204,500	315,000	3,340,100	
PLANT HEAT RATE (BTU/KWH)[3]	11,054	13,747	12,120	19,749	9,900	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)						
AVERAGE HEAT CONTENT (BTU/LB)						
AVERAGE SULFUR CONTENT (%)						
AVERAGE ASH CONTENT (%)						
AVERAGE MOISTURE CONTENT (%)						
OIL: CONSUMPTION (1,000 BARRELS)	1,330.51	66.42	457.76	206.73	1,629.15	
AVERAGE HEAT CONTENT (BTU/GAL)	148,593	151,326	148,693	154,336	146,343	
AVERAGE SULFUR CONTENT (%)	.40	.80	.40	1.00	.40	
GAS: CONSUMPTION (1,000 MCF)	21,934.57	1,641.95	11,043.17	4,646.59	21,263.90	
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,047	1,033	1,064	1,056	1,083	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	10	2	5	3	4	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS						
- NO. WITH ELECTROSTATIC PRECIPITATORS						
- NO. WITH COMBINATION PRECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	5.10 15.00	5.00	11.50 12.00	10.00	10.00 15.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
EST., LOW - HIGH						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.22	.01	.08	.03	.27	
SULFUR DIOXIDE (1,000 TONS)	1.79	.18	.61	.09	2.19	
NITROGEN OXIDES (1,000 TONS)	7.21	.47	3.16	1.36	7.74	
STACKS: - TOTAL NO.	9	2	3	3	3	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	200.00 450.00	120.00	200.00 250.00	200.00	450.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]						
SOLD (1,000 TONS)[11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000)[14]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	4,928.00	334.00	1,437.00	162.00	4,108.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]						
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	R SAN JOAQUIN	O PACIFIC OCEAN	B SAN FRANCISCO	B SUISUN	O PACIFIC OCEAN	
AVERAGE RATE OF WITHDRAWAL (CFS)	1,526.00	223.00	554.00		1,300.00	
AVERAGE RATE OF DISCHARGE (CFS)	1,526.00	223.00	554.00		1,300.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	13.12	1.92	4.76		11.18	
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC	JUL DEC	JUL DEC		JUL DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	78.00 53.00	55.00 49.00	66.00 54.00		63.00 54.00	
AT OUTFALL, SUMMER - WINTER	94.00 63.00		85.00 73.00		80.00 79.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	10,000.00					
- WINTER	90,000.00					
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]						
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.66	.15	1.35	4.45	.90	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	1.08	.10	1.24	6.90	.05 .38	
LIME (TONS), COOLING WATER - BOILER MAKEUP	11.68			95.20		
ALUM (TONS), COOLING WATER - BOILER MAKEUP						
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	6.00		47.00		6.00	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES YES	YES YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	ST	ST	ST	ST	
RECEIVING WATER BODY						
POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING						
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING						

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)						
ONCE THROUGH COOLING (SALINE)	7 1,276.10	3 167.70	3 371.40		4 1,056.30	
COOLING POND(S)						
COOLING TOWER(S)				1 40.00		
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1951 1964	1955 1961	1948 1959	1941	1955 1963	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	16.00 25.00	15.00 22.90	15.50	15.00	14.50 18.10	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,434.20	224.00	582.00	43.60	1,118.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,434.20	224.00	582.00		1,120.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	3,391.00	1,539.00	2,214.00		5,986.00
COOLING PONDS ($1,000)					
COOLING TOWERS ($1,000)				165.00	

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)					
COST OF CHEMICAL ADDITIVES ($1,000)	5.00		16.00	10.40	0.70

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)					
COST OF CHEMICAL ADDITIVES ($1,000)	5.00	.10	1.60	21.90	3.30

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	PACIFIC GAS & ELECTRIC CO.	PACIFIC GAS & ELECTRIC CO.	PACIFIC GAS & ELECTRIC CO.	PACIFIC GAS & ELECTRIC CO.	PACIFIC GAS & ELECTRIC CO.	1
4	NAME OF PLANT	MOSS LANDING	OLEUM	PITTSBURG	POTRERO	GEYSERS	4
5	UTILITY-PLANT CODE	370000-4500	370000-4900	370000-5700	370000-5900	370000-7200	5
6	STATE	CALIFORNIA	CALIFORNIA	CALIFORNIA	CALIFORNIA	CALIFORNIA	6
7	COUNTY	MONTEREY	CONTRA COSTA	CONTRA COSTA	SAN FRANCISCO	SONOMA	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	025 18	030 18	030 18	030 18	030 18	8
9	PLANT CAPACITY (MW)	2,174.70	80.00	2,028.90	317.90	559.40	9
10	ANNUAL GENERATION (MWH)[3]	8,904,700	121,000	5,857,600	1,074,300		10
11	PLANT HEAT RATE (BTU/KWH)[3]	9,295	35,226	10,438	11,054		11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)							12
13	AVERAGE HEAT CONTENT (BTU/LB)							13
14	AVERAGE SULFUR CONTENT (%)							14
15	AVERAGE ASH CONTENT (%)							15
16	AVERAGE MOISTURE CONTENT (%)							16
17	OIL: CONSUMPTION (1,000 BARRELS)	4,213.16	62.36	3,527.38	394.73			17
18	AVERAGE HEAT CONTENT (BTU/GAL)	145,557	149,289	146,272	149,190			18
19	AVERAGE SULFUR CONTENT (%)	.40	.50	.30	.40			19
20	GAS: CONSUMPTION (1,000 MCF)	52,606.93	3,689.85	37,282.57	8,852.37			20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,082	1,056	1,058	1,063			21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	10	6	7	4			22
23	- NO. OF WET BOTTOM							23
24	- NO. WITH FLY ASH REINJECTION							24
25	- NO. WITH MECHANICAL PRECIPITATORS							25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS							26
27	- NO. WITH COMBINATION PRECIPITATORS[4]							27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	7.00 11.00	10.00	7.00 12.00	8.00 15.00			29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH							32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH							33
34	TESTED, LOW - HIGH							34
35	EST., LOW - HIGH							35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.71	.01	.59	.07			39
40	SULFUR DIOXIDE (1,000 TONS)	5.65	.10	3.55	.53			40
41	NITROGEN OXIDES (1,000 TONS)	19.55	.86	15.05	2.60			41
42	STACKS: - TOTAL NO.	10	6	7	2			42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	224.50 500.00	250.00	212.00 450.00	200.00 300.00			43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]							45
46	SOLD (1,000 TONS)[11]							46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							50
51	ELECTROSTATIC PRECIPITATORS ($1,000)							51
52	COMBINATION PRECIPITATORS ($1,000)[4]							52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	8,060.00	432.00	7,293.00	795.00			54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)							55
56	REVENUES FROM SALE OF ASH ($1,000)							56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]							59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	O PACIFIC OCEAN	B SAN FRANCISCO	B SUISUN	B SAN FRANCISCO			61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	2,075.00	88.90	1,784.00	505.00			62
63	AVERAGE RATE OF DISCHARGE (CFS)	2,075.00	88.90	1,622.00	505.00			63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	17.85 .76		15.34 162.00	4.34			64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC	JUL DEC	JUL DEC	JUL DEC			65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	57.00 52.00	72.00 52.00	74.00 56.00	62.00 51.00			66
67	AT OUTFALL, SUMMER - WINTER	83.00 72.00	90.00 63.00	92.00 70.00	82.00 87.00			67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER			170,000.00				68
69	- WINTER			170,000.00				69
70	FREQUENCY OF TEMPERATURE MONITORING: C, M, O, O[16]	D						70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.85	10.78	2.50	1.07			71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	1.30	12.11	1.75	.71			72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	27.20		30.00				73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP							74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	26.00		10.00	40.00			75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES YES	YES	YES YES			76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	ST	PS	ST	ST		77
78	RECEIVING WATER BODY							78
79	POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING							79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING							80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							81
82	- ASH SETTLING							82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)			6 1,277.80				83
84	ONCE THROUGH COOLING (SALINE)	7 2,174.70	2 80.00		3 317.90			84
85	COOLING POND(S)			1 751.10				85
86	COOLING TOWER(S)					11 559.40		86
87	COMBINATIONS[21]							87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1950 1968	1941 1943	1954 1972	1931 1964	1959 1975		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	13.70 23.80	15.00	15.00 17.50	15.00	38.00 40.40		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,849.00	87.20	2,365.00	465.00	923.20		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	978.00	89.10	791.40	323.60			91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	12,913.00	449.00	3,342.00	1,683.00			92
93	COOLING PONDS ($1,000)			17,167.00				93
94	COOLING TOWERS ($1,000)					10,339.00		94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)							95
96	COST OF CHEMICAL ADDITIVES ($1,000)	5.80	4.50	1.00	10.50			96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)							97
98	COST OF CHEMICAL ADDITIVES ($1,000)	69.40	28.30	85.60	4.80			98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	PACIFIC POWER & LIGHT CO	PACIFIC POWER & LIGHT CO.	PACIFIC POWER & LIGHT CO.	PASADENA LIGHT & POWER DEPT.	PASADENA LIGHT & POWER DEPT.	
NAME OF PLANT	CENTRALIA	JIM BRIDGER	JOHNSTON	BROADWAY	GLENARM	
UTILITY-PLANT CODE	370500-0450	370500-1105	370500-1200	374500-0100	374500-0200	
STATE	WASHINGTON	WYOMING	WYOMING	CALIFORNIA	CALIFORNIA	
COUNTY	LEWIS	SWEETWATER	CONVERSE	LOS ANGELES	LOS ANGELES	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	193 17	243 14	241 10	024 18	024 16	
PLANT CAPACITY (MW)	1,330.00	1,017.20	750.30	171.00	129.00	
ANNUAL GENERATION (MWH)[3]	6,131,500	1,899,900	4,368,400	500,000	35,500	
PLANT HEAT RATE (BTU/KWH)[3]	10,265	14,242	10,389	10,192	16,160	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	4,008.50	1,445.90	3,195.90					
AVERAGE HEAT CONTENT (BTU/LB)	7,801	9,187	7,091					
AVERAGE SULFUR CONTENT (%)	.51	.61	.54					
AVERAGE ASH CONTENT (%)	14.92	10.50	14.01					
AVERAGE MOISTURE CONTENT (%)	24.33	19.54	27.17					
OIL: CONSUMPTION (1,000 BARRELS)	69.00	85.40	10.60	675.63	16.30			
AVERAGE HEAT CONTENT (BTU/GAL)	137,800	137,090	137,000	150,000	150,000			
AVERAGE SULFUR CONTENT (%)	.30	.20	.29	.37	.30			
GAS: CONSUMPTION (1,000 MCF)				794.10	143.54			
AVERAGE HEAT CONTENT (BTU/CU.FT.)				1,054	1,036			

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	2	4	3	4			
- NO. OF WET BOTTOM								
- NO. WITH FLY ASH REINJECTION								
- NO. WITH MECHANICAL PRECIPITATORS			4	3	4			
- NO. WITH ELECTROSTATIC PRECIPITATORS	2	2						
- NO. WITH COMBINATION PRECIPITATORS[4]								
- NO. WITH DESULFURIZATION SYSTEMS								
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00	20.00	20.00	8.00 10.00	12.00 15.00			
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			82.00 99.80	92.00 94.00	94.00			
TESTED, LOW - HIGH			64.10 98.50					
ESTIMATED, LOW - HIGH			80.00 99.00	37.00 50.00	50.00			
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	99.40	99.33						
TESTED, LOW - HIGH		99.60						
EST., LOW - HIGH	99.80	99.40						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH								
TESTED, LOW - HIGH								
ESTIMATED, LOW - HIGH								

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	1.02	.58	39.12	.06				
SULFUR OIOXIOE (1,000 TONS)	40.14	17.34	33.84	.84				
NITROGEN OXIDES (1,000 TONS)	36.23	13.20	28.79	1.04				
STACKS: - TOTAL NO.	2	2	4	4	4			
- HEIGHT (FEET), LOWEST - HIGHEST[8]	470.00	500.00	249.00 250.00	120.00 140.00	81.00 86.00			
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]								
TOTAL ASH: COLLECTED (1,000 TONS)[10]	578.50	153.00	417.40					
SOLD (1,000 TONS)[11]			20.30					
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)								
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]								
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)								
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			13,626.00	221.00	140.00			
ELECTROSTATIC PRECIPITATORS ($1,000)	44,800.00	28,620.00						
COMBINATION PRECIPITATORS ($1,000)[4]								
DESULFURIZATION SYSTEMS ($1,000)								
STACKS ($1,000)	2,449.00	2,550.00	1,456.00	105.70	12.00			
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	1,066.00	335.90	664.40					
REVENUES FROM SALE OF ASH ($1,000)			62.30					
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)								
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)								
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	1,149.40	335.90	1,103.40					
TOTAL BYPRODUCT SALES REVENUES ($1,000)			62.30					

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	F SKOOKUMCHUCK	R GREEN	R NORTH PLATTE	M	M			
AVERAGE RATE OF WITHDRAWAL (CFS)	23.30	10.30	276.20	1.50	.08			
AVERAGE RATE OF DISCHARGE (CFS)			265.20	.40	.04			
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	23.30	10.30	10.30	1.30	.04			
PEAK LOAD MONTH : SUMMER - WINTER[15]		AUG JAN	AUG DEC		AUG DEC			
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER		65.00 35.00	73.00 60.00					
AT OUTFALL, SUMMER - WINTER			109.00 99.00					
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER			2,983.60					
- WINTER			950.80					
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]			C	C	C			
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	3.43	7.00	23.25 .55	5.58 .43	.14 .02			
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	89.32	477.66	.35	2.52	.09			
LIME (TONS), COOLING WATER - BOILER MAKEUP		110.15						
ALUM (TONS), COOLING WATER - BOILER MAKEUP	2.10	.16	38.33					
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	46.00	45.00	10.00	12.40	.85			
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES YES	YES YES	YES YES	YES YES			
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT	OT	OT	PS	PS			
RECEIVING WATER BODY[19]	C HANAFORD	O EVAP. POND	R NORTH PLATTE					
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING			8.70					
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			10.00					
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING			94,600.00					

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)								
ONCE THROUGH COOLING (SALINE)								
COOLING POND(S)								
COOLING TOWER(S)	2 1,330.00	2 1,017.20	1 330.40	3 171.00	2 65.00			
COMBINATIONS[21]			3 420.00					
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1971 1972	1974 1975	1959 1972	1954 1965	1948			
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	30.00	34.00	27.30 32.30	15.80 21.80	10.00			
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,000.00	666.00	572.00	209.00	140.00			
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)			318.00					

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)			1,263.00					
COOLING PONDS ($1,000)								
COOLING TOWERS ($1,000)	10,797.00	4,520.00	4,123.00	692.00	161.00			

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	60.00	33.50	17.66	10.40				
COST OF CHEMICAL ADDITIVES ($1,000)	45.20	29.20	91.30	17.20	6.60			

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	15.00	105.00	7.94	5.00				
COST OF CHEMICAL ADDITIVES ($1,000)	46.40	107.30	43.00	8.94	2.20			

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	PELLA MUN PWR & LT	PENNSYLVANIA ELECTRIC CO.	PENNSYLVANIA ELECTRIC CO.	PENNSYLVANIA ELECTRIC CO.	PENNSYLVANIA ELECTRIC CO.	
NAME OF PLANT	PELLA	FRONT STREET	HOMER CITY	KEYSTONE	SEWARD	
UTILITY-PLANT CODE	378500-0100	379500-0300	379500-0350	379500-0400	379500-1000	
STATE	IOWA	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA	
COUNTY	MAPIUN	EPIE	INDIANA	APMSTRUNG	INDIANA	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	092 07	178 04	197 05	197 05	197 05	
PLANT CAPACITY (MW)	43.50	118.80	1,320.00	1,872.00	268.20	
ANNUAL GENERATION (MWH)[3]	115,000	585,000	4,445,600	10,087,000	1,411,100	
PLANT HEAT RATE (BTU/KWH)[3]	18,382	15,910	10,338	9,709	11,452	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	94.50	381.00	2,003.00	4,188.00	648.00	
AVERAGE HEAT CONTENT (BTU/LB)	9,846	12,165	11,304	11,803	12,171	
AVERAGE SULFUR CONTENT (%)	4.65	1.52	2.55	2.15	2.54	
AVERAGE ASH CONTENT (%)	15.48	13.93	22.04	19.04	15.63	
AVERAGE MOISTURE CONTENT (%)	14.20	4.93	5.87	5.31	5.63	
OIL: CONSUMPTION (1,000 BARRELS)	2.22	6.48	112.00	82.00	33.43	
AVERAGE HEAT CONTENT (BTU/GAL)	140,000	137,000	137,000	137,000	137,000	
AVERAGE SULFUR CONTENT (%)	.05	.10	.10	.10	.10	
GAS: CONSUMPTION (1,000 MCF)						
AVERAGE HEAT CONTENT (BTU/CU.FT.)						

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	3	4	2	2	4	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION	2					
- NO. WITH MECHANICAL PRECIPITATORS						
- NO. WITH ELECTROSTATIC PRECIPITATORS		4	2	2		
- NO. WITH COMBINATION PRECIPITATORS[4]	2				3	
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00 35.00	15.00 15.50	20.00	20.00	22.00 30.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH	80.00 85.00					
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	95.00	83.00 98.00	99.50	99.50	96.00	
TESTED, LOW - HIGH	91.20 96.80	89.00 99.10	99.50	93.30	97.60 98.40	
EST., LOW - HIGH		99.30	97.50 98.50	99.20	96.00 98.40	
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	1.62	.32	7.10	5.40	2.87	
SULFUR DIOXIDE (1,000 TONS)	8.61	11.35	100.15	175.67	32.17	
NITROGEN OXIDES (1,000 TONS)	.71	3.44	18.27	37.69	5.89	
STACKS: - TOTAL NO.	4	2	2	2	3	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	80.00 190.00	135.00 200.00	796.00	797.00	163.00 225.50	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]	14.11	52.60	434.40	781.70	98.00	
SOLD (1,000 TONS)[11]			1.90	43.20		
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)		799.20	5,159.60	5,492.70		
COMBINATION PRECIPITATORS ($1,000)[4]	330.00				1,323.70	
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)		54.80	3,033.00	2,621.70	221.10	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		250.90	1,428.00	2,357.60	293.90	
REVENUES FROM SALE OF ASH ($1,000)			2.30	28.40		
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		250.90	1,918.70	2,549.00	293.90	
TOTAL BYPRODUCT SALES REVENUES ($1,000)			2.30	28.40		

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	M	L ERIE	C TWO LICK	C CROOKED	R CONEMAUGH	
AVERAGE RATE OF WITHDRAWAL (CFS)	.30	245.50	21.50	19.40	326.40	
AVERAGE RATE OF DISCHARGE (CFS)		243.38	13.40	9.40	323.60	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.30	2.11 2.12	8.10	10.00	2.81 2.80	
PEAK LOAD MONTH : SUMMER - WINTER[15]		JUN FEB	JUN FEB	JUN FEB	JUN FEB	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER		74.00 52.00	62.00 37.00	76.00 36.00	78.00 48.00	
AT OUTFALL, SUMMER - WINTER		79.00 57.00	62.00 37.00	76.50 37.00	87.00 50.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER			419.00	254.00	1,242.00	
- WINTER			248.00	276.00	1,042.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, OT[16]	C	H	O	U	G	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	2.02 .10	.21			.30	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	2.08	530.23	250.27	368.51	.65 .08	
LIME (TONS), COOLING WATER - BOILER MAKEUP			506.60	550.00 3.00	.57	
ALUM (TONS), COOLING WATER - BOILER MAKEUP			8.00			
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP[17]	.25					
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES YES	YES YES	YES YES	YES YES	YES YES	
SEWAGE DISPOSAL: METHOD RS, ST, SW, OT[18]	PS	PS	OT	OT	ST	
RECEIVING WATER BODY[19]			C TWO LICK	C CROOKED		
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		7.70			4.00	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		34.00			27.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING		63,400.00			57,000.00	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		4 100.00			4 268.20	
ONCE THROUGH COOLING (SALINE)						
COOLING PONDS(S)						
COOLING TOWER(S)	4 43.50		2 1,320.00	2 1,872.00		
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1962	1927 1955	1969	1967 1968	1921 1950	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F): SMALLEST - LARGEST[22]	14.00 15.50	20.00	28.00	27.40	20.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	93.20	223.00	794.00	1,250.00	480.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		223.00			480.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)		598.90			2,089.90
COOLING PONDS ($1,000)					
COOLING TOWERS ($1,000)	114.00		9,782.00	12,476.20	106.20

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)		5.90	114.60	248.90	56.00
COST OF CHEMICAL ADDITIVES ($1,000)		15.90	78.00	116.80	2.20

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)		58.50	303.50	162.90	35.10
COST OF CHEMICAL ADDITIVES ($1,000)		104.50	155.60	207.70	1.40

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	PENNSYLVANIA ELECTRIC CO.	PENNSYLVANIA ELECTRIC CO.	PENNSYLVANIA ELECTRIC CO.	PENNSYLVANIA ELECTRIC CO.	PENNSYLVANIA POWER & LIGHT CO.	1
2							2
3							3
4	NAME OF PLANT	SHAWVILLE	WARREN	WILLIAMSBURG	CONEMAUGH	BRUNNER ISLAND	4
5	UTILITY-PLANT CODE	379500-1100	379500-1200	379500-1400	379500-1500	380000-0200	5
6	STATE	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA	6
7	COUNTY	CLEARFIELD	WARREN	BLAIR	INDIANA	YORK	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	178 02	178 05	195 02	197 05	196 02	8
9	PLANT CAPACITY (MW)	640.00	84.60	25.00	1,872.00	1,558.73	9
10	ANNUAL GENERATION (MWH)[3]	4,110,500	517,800	187,000	8,693,200	8,844,700	10
11	PLANT HEAT RATE (BTU/KWH)[3]	10,464	14,135	14,588	9,814	9,772	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	1,742.00	291.00	111.00	3,734.00	3,520.20	12
13	AVEPAGE HEAT CONTENT (BTU/LB)	12,276	12,561	12,240	11,363	12,157	13
14	AVERAGE SULFUR CONTENT (%)	2.19	2.18	1.64	2.05	2.22	14
15	AVERAGE ASH CONTENT (%)	13.48	9.94	14.46	16.64	15.00	15
16	AVEPAGE MOISTUPE CONTENT (%)	6.21	6.01	5.34	6.09	6.19	16
17	OIL: CONSUMPTION (1,000 BARRELS)	42.72	1.44	1.85	79.00	145.00	17
18	AVEPAGE HEAT CONTENT (BTU/GAL)	137,000	137,000	137,000	137,000	137,400	18
19	AVEPAGE SULFUR CONTENT (%)	.10	.10	.10	.10	.19	19
20	GAS: CONSUMPTION (1,000 MCF)						20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)						21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	4	4	1	2	3	22
23	- NO. OF WET BOTTOM						23
24	- NO. WITH FLY ASH REINJECTION						24
25	- NO. WITH MECHANICAL PRECIPITATORS			1			25
26	- NO. WITH ELECTPOSTATIC PRECIPITATORS		4		2	3	26
27	- NO. WITH COMBINATION PRECIPITATORS[4]	4					27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	15.00	15.00	15.00	20.00	20.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			89.80			30
31	TESTED, LOW - HIGH						31
32	ESTIMATED, LOW - HIGH			76.00			32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	95.00	94.00		99.50	98.00 99.50	33
34	TESTED, LOW - HIGH	89.60 96.40	80.90 94.10		99.80		34
35	EST., LOW - HIGH	89.60 96.40	80.90 94.10		99.50	97.30 99.50	35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	13.03	3.00	3.00	2.96	5.70	39
40	SULFUR DIOXIDE (1,000 TONS)	74.79	12.43	3.57	150.36	153.26	40
41	NITROGEN OXIDES (1,000 TONS)	15.77	2.62	1.00	33.78	32.00	41
42	STACKS: - TOTAL NO.	3	1	1	2	2	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	325.00 600.00	200.00	76.50	1,000.00	450.00 600.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	221.30	26.60	23.20	694.70	522.30	45
46	SOLD (1,000 TONS)[11]	1.00			52.30		46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			32.50			50
51	ELECTROSTATIC PRECIPITATORS ($1,000)		246.40		6,824.20	3,578.00	51
52	COMBINATION PRECIPITATORS ($1,000)[4]	3,045.20					52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)	953.40	65.20	35.50	4,611.50	1,040.00	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	596.60	88.60	95.50	3,294.20	800.60	55
56	REVENUES FROM SALE OF ASH ($1,000)	2.40			58.90		56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	696.20	182.10	97.40	3,523.80	800.60	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	2.40			58.90		60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	R SUSQUEHANNA	P ALLEGHENY	R JUNIATA	R CONEMAUGH	R SUSQUEHANNA	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	677.30	105.50	39.40	29.30	932.00	62
63	AVERAGE RATE OF DISCHARGE (CFS)	671.50	104.50	39.10	15.70	430.00	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	5.80 .91	.90	.34	13.80	8.02 2.00	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	JUN FEB	JUN FEB	JUN FEB	JUN FEB	AUG JAN	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	84.00 44.00	70.00 40.00	74.00 38.00	78.00 48.00	90.00 46.00	66
67	AT OUTFALL, SUMMER - WINTER	101.00 65.00	70.00 40.00	88.00 68.00	79.00 48.00	121.00 91.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	645.00	10,325.00	242.70	1,142.00	10,000.00	68
69	- WINTER	1,025.00	7,690.00	260.10	1,042.00	54,400.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	O	H	H	O	C	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		.73	.15		.10	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	544.39	.08	19.16	254.84	408.00	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP				1,804.60 2.00		73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	15.77	1.91	.34		60.30	74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP			1.35		7.50	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES YES	YES	YES YES	YES YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST		PS	OT		77
78	RECEIVING WATER BODY[19]				R CONEMAUGH		78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	4.50	6.50	7.60			79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	15.00	5.00	55.00			80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING					9,800.00	81
82		28,000.00	34,158.00	3,000.00		100,000.00	82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		2 84.60			3 1,558.73	83
84	ONCE THROUGH COOLING (SALINE)						84
85	COOLING POND(S)						85
86	COOLING TOWER(S)				2 1,872.00		86
87	COMBINATIONS[21]	4 640.00		1 25.00			87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1954 1959	1948 1949	1944	1969 1970	1961 1969	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	20.00	20.00	13.70	27.30	24.00 29.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	688.40	131.00	50.00	1,250.00	1,159.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	697.40	131.00	69.00		1,159.00	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	12,548.10	441.80	238.80		1,755.00	92
93	COOLING PONDS ($1,000)			43.80			93
94	COOLING TOWERS ($1,000)	1,069.00			11,319.60		94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	102.00	10.30	11.70	410.20	44.00	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	9.00	.20	.40	181.80	5.20	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	74.20	15.70	20.50	148.60	94.70	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	140.90	12.70	11.00	137.00	86.70	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	PENNSYLVANIA POWER & LIGHT CO.	PENNSYLVANIA POWER & LIGHT CO	PENNSYLVANIA POWER & LIGHT CO.	PENNSYLVANIA POWER & LIGHT CO.	PENNSYLVANIA POWER CO.		1
4	NAME OF PLANT	MOLTMOOD	MARTINS CREEK	SUNBURY	MONTOOR	NEW CASTLE		4
5	UTILITY-PLANT CODE	38000-0700	38000-0800	38000-1000	38000-1300	38050C-0100		5
6	STATE	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA		6
7	COUNTY	LANCASTER	NORTHAMPTON	SNYDER	MUNTOOR	LAWRENCE		7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	196 02	151 02	195 02	195 02	178 05		8
9	PLANT CAPACITY (MW)	75.00	1,183.00	409.78	1,041.70	425.80		9
10	ANNUAL GENERATION (MWH)[3]	528,400	2,196,500	2,667,300	9,394,900	1,709,100		10
11	PLANT HEAT RATE (BTU/KWH)[3]	13,272	10,993	12,371	9,050	11,773		11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	388.50	727.00	1,521.10	3,930.80	820.00		12
13	AVERAGE HEAT CONTENT (BTU/LB)	8,983	12,501	10,830	11,611	12,382		13
14	AVERAGE SULFUR CONTENT (%)	.84	2.23	2.10	1.59	2.87		14
15	AVERAGE ASH CONTENT (%)	26.31	12.50	19.46	19.23	10.06		15
16	AVERAGE MOISTURE CONTENT (%)	15.55	5.50	10.28	5.45	6.07		16
17	OIL: CONSUMPTION (1,000 BARRELS)	5.70	1,004.40	8.80	195.20	6.34		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	137,509	141,022	137,334	137,332	137,000		18
19	AVERAGE SULFUR CONTENT (%)	.35	.90	.19	.19	1.50		19
20	GAS: CONSUMPTION (1,000 MCF)							20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)							21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	1	3	6	2	5		22
23	- NO. OF WET BOTTOM							23
24	- NO. WITH FLY ASH REINJECTION							24
25	- NO. WITH MECHANICAL PRECIPITATORS							25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS		2		2	5		26
27	- NO. WITH COMBINATION PRECIPITATORS[4]	1		6				27
28	- NO. WITH DESULFURIZATION SYSTEMS	1						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	40.00	3.00 20.00	20.00 40.00	20.00	20.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH							32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	94.30	99.50	70.00 96.00	99.50	95.00 98.00		33
34	TESTED, LOW - HIGH							34
35	EST., LOW - HIGH	98.00	98.00 99.00	93.00 99.90	99.00	95.00 98.00		35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	59.20						36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	1.72	1.29	4.76	3.22	1.90		39
40	SULFUR DIOXIDE (1,000 TONS)	6.40	34.81	62.61	122.87	48.31		40
41	NITROGEN OXIDES (1,000 TONS)	3.51	8.76	13.71	35.88	7.43		41
42	STACKS: - TOTAL NO.	1	2	4	2	4		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	200.00	250.00 600.00	300.00	600.00	231.00 232.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	97.40	90.80	286.20	756.20	81.20		45
46	SOLD (1,000 TONS)[11]							46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							50
51	ELECTROSTATIC PRECIPITATORS ($1,000)		2,162.00		4,725.00	1,511.00		51
52	COMBINATION PRECIPITATORS ($1,000)[4]	1,035.00		6,878.30				52
53	DESULFURIZATION SYSTEMS ($1,000)	1,231.00						53
54	STACKS ($1,000)	107.00	2,232.00	337.00	2,485.00	156.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	165.60	141.70	423.10	654.20	140.00		55
56	REVENUES FROM SALE OF ASH ($1,000)							56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	165.60	141.70	423.10	654.20	140.00		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	R SUSQUEHANNA	R DELAWARE	R SUSQUEHANNA	R SUSQUEHANNA	R BEAVER		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	114.10	260.30	406.50	40.00	428.00		62
63	AVERAGE RATE OF DISCHARGE (CFS)	114.10	248.20	404.00	14.90	428.00		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.98	12.10	4.01 2.50	32.00	3.68		64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG JAN	AUG JAN	AUG JAN	AUG JAN	JUL JAN		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	87.00 44.00	76.00 36.00	88.00 42.00	80.00 35.00	83.00 39.00		66
67	AT OUTFALL, SUMMER - WINTER	106.00 69.00	101.00 57.00	112.00 68.00	74.00 33.00	94.00 59.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	10,000.00	5,000.00		30.30	1,364.00		68
69	- WINTER	54,400.00	15,900.00		50.00	5,693.00		69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, D[16]	C	H	C	H	H		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.13	.89	1.16		1.88 .45		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		12.00	17.30	575.00	.80		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP		20.00					73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	.53	3.00		2.50			74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	1.00 .13	2.50	6.00	18.00			75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[7]	YES	YES	YES	YES	YES YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	DT	SW	PS	OT	ST		77
78	RECEIVING WATER BODY[19]	R SUSQUEHANNA	R DELAWARE		C CHILLISQUAQUE			78
79	PDND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		9.00 2.70	7.20		6.50		79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		373.00	10.00		100.00		80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	5.30	146.00	4,800.00				81
82	- ASH SETTLING	15,000.00	600.00	88,300.00	98,000.00	61,500.00		82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	1 66.00	2 312.50	4 409.60		5 425.08		83
84	ONCE THROUGH COOLING (SALINE)							84
85	COOLING PONDS[5]							85
86	COOLING TOWERS[5]		1 850.50		2 1,500.00			86
87	COMBINATIONS[21]							87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1954	1954 1975	1949 1953	1971 1973	1939 1964		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	20.00	27.00 28.00	20.00 23.00	27.60	12.50 16.70		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	114.00	546.00	458.40	1,008.00	629.00		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	114.00	266.00	458.40		629.00		91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	211.00	1,247.00	2,600.00		1,308.00		92
93	COOLING PONDS ($1,000)							93
94	COOLING TOWERS ($1,000)		4,200.00		7,687.00			94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	19.10	16.80	174.00	29.00	16.50		95
96	COST OF CHEMICAL ADDITIVES ($1,000)	.30		1.86	6.00	23.50		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	21.70	1.60	14.00	95.00	120.00		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	2.40	80.00	16.80	133.20	11.40		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	PERU ELEC & PWR DEPT	PHILADELPHIA ELECTRIC CO.	PHILADELPHIA ELECTRIC CO.	PHILADELPHIA ELECTRIC CO.	PHILADELPHIA ELECTRIC CO.	
NAME OF PLANT	PERU	BARBADOES	CHESTER	CROMBY	DELAWARE	
UTILITY-PLANT CODE	382000-0100	384000-0100	384000-0200	384000-0300	384000-0400	
STATE	INDIANA	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA	
COUNTY	MIAMI	MONTGOMERY	DELAWARE	CHESTER	PHILADELPHIA	
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	084 05	045 02	045 02	045 02	045 02	
PLANT CAPACITY (MW)	37.00	132.00	130.00	417.50	312.50	
ANNUAL GENERATION (MWH) [3]	72,000	136,900	204,200	1,594,000	1,078,700	
PLANT HEAT RATE (BTU/KWH) [3]	14,807	14,028	15,571	10,125	10,409	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	47.00			343.00		
AVERAGE HEAT CONTENT (BTU/LB)	11,342			12,382		
AVERAGE SULFUR CONTENT (%)	3.26			2.64		
AVERAGE ASH CONTENT (%)	9.65			11.50		
AVERAGE MOISTURE CONTENT (%)	10.81			5.93		
OIL: CONSUMPTION (1,000 BARRELS)		270.00	524.00	1,245.00	1,852.00	
AVERAGE HEAT CONTENT (BTU/GAL)		148,928	144,481	147,450	143,933	
AVERAGE SULFUR CONTENT (%)		.43	.39	.37	.43	
GAS: CONSUMPTION (1,000 MCF)		222.00				
AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,028				

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	3	2	8	2	14	
- NO. OF WET BOTTOM						
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS	3					
- NO. WITH ELECTROSTATIC PRECIPITATORS	1					
- NO. WITH COMBINATION PRECIPITATORS [4]		2	2	2	2	
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]						
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	80.00 83.50	20.00	20.00 36.00	15.00	15.00 20.00	
TESTED, LOW - HIGH	75.00					
ESTIMATED, LOW - HIGH	70.00					
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH	98.00	96.00	91.00	98.00	96.00	
TESTED, LOW - HIGH	97.60	94.00	47.10 60.50		96.00	
EST., LOW - HIGH		50.00	47.10 60.50	50.00 90.00	50.00	
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	.26	.02	.04	3.46	.16	
SULFUR DIOXIDE (1,000 TONS)	3.08	.39	.69	19.29	2.67	
NITROGEN OXIDES (1,000 TONS)	.43	.64	1.16	5.83	4.08	
STACKS: - TOTAL NO.	2	1	5	2	8	
- HEIGHT (FEET), LOWEST - HIGHEST [8]	155.00 165.00	330.00	192.00 195.00	300.00	160.00 200.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]				.10	.10	
TOTAL ASH: COLLECTED (1,000 TONS) [10]	4.50		.06	52.10	.20	
SOLD (1,000 TONS) [11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)	600.00					
COMBINATION PRECIPITATORS ($1,000) [4]		521.60	1,856.00	932.00	652.00	
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)		166.30	88.00	436.00	170.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		20.80	28.90	564.40	26.00	
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]		21.30	29.70	566.90	32.00	
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	R WABASH	R SCHUYLKILL	R DELAWARE	R SCHUYLKILL	R DELAWARE	
AVERAGE RATE OF WITHDRAWAL (CFS)	2,400.00	30.00	72.00	513.00	368.00	
AVERAGE RATE OF DISCHARGE (CFS)	2,400.00	30.00	72.00	513.00	368.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	20.64	.26 1.00	.62 1.00	4.41 4.00	3.16 3.00	
PEAK LOAD MONTH : SUMMER - WINTER [15]	JUL JAN	AUG DEC	AUG DEC	AUG DEC	AUG DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	86.00 40.00	81.00 41.00	82.00 47.00	85.00 49.00	79.00 46.00	
AT OUTFALL, SUMMER - WINTER	100.00 52.00	98.00 57.00	100.00 60.00	102.00 80.00	93.00 61.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	2,900.00	1,735.00	252,000.00	1,456.00	105,000.00	
- WINTER	2,200.00	2,354.00	252,000.00	1,655.00	105,000.00	
FREQUENCY OF TEMPERATURE MONITORING: C, M, D, O [16]	C	H	H	H	H	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		.30	.11	.80	1.65	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		42.23	.14	478.08	222.18	
LIME (TONS), COOLING WATER - BOILER MAKEUP						
ALUM (TONS), COOLING WATER - BOILER MAKEUP						
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP		9.00	21.50	65.30	120.00	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]		YES	YES	YES	YES	
SEWAGE DISPOSAL: METHOD RS, ST, SW, OT [18]	PS	PS	PS	OT	PS	
RECEIVING WATER BODY				R SCHUYLKILL		
POND DISCHARGE: [19] PH, BOILER BLOWDOWN - ASH SETTLING			6.10	7.00	8.00	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			2.30		70.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING			.70		1.13	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	3 40.00	2 132.00	4 173.00	2 417.50	5 405.50	
ONCE THROUGH COOLING (SALINE)						
COOLING POND(S)						
COOLING TOWER(S)						
COMBINATIONS [21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1933 1958	1949	1918 1942	1954	1920 1953	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	12.00	23.00	11.00 12.00	14.00 17.00	11.00 18.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	20.26	178.00	796.00	490.00	509.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	20.26	178.00	796.00	490.00	509.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)		551.00	556.00	2,108.00	2,178.00
COOLING PONDS ($1,000)					
COOLING TOWERS ($1,000)					

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)		15.00	35.80	239.50	231.70
COST OF CHEMICAL ADDITIVES ($1,000)		1.00	2.60	9.10	16.80

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)		79.80	397.00	32.60	208.80
COST OF CHEMICAL ADDITIVES ($1,000)	12.08	10.70	2.50	69.20	38.50

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	PHILADELPHIA ELECTRIC CO.	PHILADELPHIA ELECTRIC CO.	PHILADELPHIA ELECTRIC CO.	PHILADELPHIA ELECTRIC CO.	PHILADELPHIA ELECTRIC CO.	
NAME OF PLANT	EDDYSTONE	PEACH BOTTOM	RICHMOND	SCHUYLKILL	SOUTHWARK	
UTILITY-PLANT CODE	384000-0500	384000-0700	384000-0900	384000-1000	384000-1100	
STATE	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA	
COUNTY	DELAWARE	YORK	PHILADELPHIA	PHILADELPHIA	PHILADELPHIA	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	045 02	196 02	045 02	045 02	045 02	
PLANT CAPACITY (MW)	1,089.20	2,242.60	354.80	275.40	345.00	
ANNUAL GENERATION (MWH)[3]	4,035,100	10,335,844	140,000	1,099,500	454,000	
PLANT HEAT RATE (BTU/KWH)[3]	9,950		15,561	18,230	13,664	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	1,282.00					
AVERAGE HEAT CONTENT (BTU/LB)	12,584					
AVERAGE SULFUR CONTENT (%)	2.28					
AVERAGE ASH CONTENT (%)	10.10					
AVERAGE MOISTURE CONTENT (%)	6.17					
OIL: CONSUMPTION (1,000 BARRELS)	1,302.00		360.00	3,292.00	1,107.00	
AVERAGE HEAT CONTENT (BTU/GAL)	144,000		144,030	144,965	145,006	
AVERAGE SULFUR CONTENT (%)	.43		.41	.39	.43	
GAS: CONSUMPTION (1,000 MCF)						
AVERAGE HEAT CONTENT (BTU/CU.FT.)						

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	3		12	3	4	
- NO. OF WET BOTTOM			2			
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS				2		
- NO. WITH ELECTROSTATIC PRECIPITATORS	1			1		
- NO. WITH COMBINATION PRECIPITATORS[4]	2		4		4	
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]						
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	3.00 15.00		20.00 25.00	15.00	26.00	
TESTED, LOW - HIGH				76.00 86.00		
ESTIMATED, LOW - HIGH						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	93.00 95.00		93.00 96.00	90.00	99.00	
TESTED, LOW - HIGH	95.60 99.30					
EST., LOW - HIGH	93.00 99.30				25.80 43.50	
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH			50.00		25.80 43.50	
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH	80.00					

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	3.18		.03	.13	.12	
SULFUR DIOXIDE (1,000 TONS)	59.17		.50	3.43	1.60	
NITROGEN OXIDES (1,000 TONS)	14.41		.79	5.78	2.44	
STACKS: - TOTAL NO.	4		7	4	4	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	246.00		161.00	228.00 275.00	264.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	1.20		.60	.07	2.00	
TOTAL ASH: COLLECTED (1,000 TONS)[10]	143.00			1.00	.30	
SOLD (1,000 TONS)[11]	28.50					
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)				428.20		
ELECTROSTATIC PRECIPITATORS ($1,000)	6,079.00			84.00		
COMBINATION PRECIPITATORS ($1,000)	1,980.00		1,079.00		1,892.00	
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	1,348.00		118.00	372.40	212.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	1,417.00		8.50	230.90	154.50	
REVENUES FROM SALE OF ASH ($1,000)	10.00					
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	387.00					
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]						
TOTAL BYPRODUCT SALES REVENUES ($1,000)	1,811.00		10.00	240.90	156.60	
	10.00					

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	R DELAWARE	R SUSQUEHANNA	R DELAWARE	R SCHUYLKILL	R DELAWARE	
AVERAGE RATE OF WITHDRAWAL (CFS)	925.60	2,703.00	69.00	455.00	192.00	
AVERAGE RATE OF DISCHARGE (CFS)	925.60	2,699.00	69.00	455.00	192.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	7.90 8.00	23.00	.59 1.00	3.91 4.00	1.65 2.00	
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC	AUG DEC	AUG DEC	AUG DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	86.00 49.00	86.00 41.00	82.00 45.00	80.00 52.00	83.00 47.00	
AT OUTFALL, SUMMER - WINTER	96.00 59.00	89.30 46.80	99.00 55.00	106.00 70.00	97.00 72.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	207,000.00	8,855.00	96,000.00	1,700.00	120,000.00	
- WINTER	207,000.00	32,800.00	96,000.00	2,350.00	120,000.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O'[16]	H	H	H	H	H	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	2.00	.95	1.00	6.30	.30	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	1,209.77	158.00		8,919.85	144.24	
LIME (TONS), COOLING WATER - BOILER MAKEUP		.45				
ALUM (TONS), COOLING WATER - BOILER MAKEUP		31.70	10.00			
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	683.05	30.00	30.00	55.05	60.00	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	OT	PS	PS	PS	
RECEIVING WATER BODY[19]		R SUSQUEHANNA				
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING			7.50	7.00 7.00	8.50	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			30.00	1,000.00	127.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING			97.40	1,435.00	18,694.00	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	3 1,089.80	1 46.00	4 474.80	4 275.40	2 374.00	
ONCE THROUGH COOLING (SALINE)						
COOLING POND(S)						
COOLING TOWER(S)						
COMBINATIONS[21]		2 2,196.60				
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1974	1967 1974	1924 1950	1915 1958	1947 1948	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	15.00	11.00 21.00	13.00 14.00	15.00	13.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,501.60	3,446.00	1,007.00	507.00	620.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,501.60	3,446.00	1,007.00	507.00	620.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	9,502.00	28,321.00		1,232.00	2,194.00
COOLING PONDS ($1,000)					
COOLING TOWERS ($1,000)		8,958.00			

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	909.00	4,165.60	297.50	563.13	130.70
COST OF CHEMICAL ADDITIVES ($1,000)	68.90	3.66	46.40	12.40	9.30

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	560.70	431.80	173.00	2,624.60	230.70
COST OF CHEMICAL ADDITIVES ($1,000)	224.70	29.47	5.60	1,258.40	31.80

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	PIQUA MUNICIPAL POWER PLANT	PLAINS ELECTRIC G&T COOP, INC.	POTOMAC EDISON CO. (VA.)	POTOMAC ELECTRIC POWER CO.	POTOMAC ELECTRIC POWER CO.	1
2							2
3							3
4	NAME OF PLANT	PIQUA	ALGODONES	RIVERTON	BENNING	BUZZARD POINT	4
5	UTILITY-PLANT CODE	387500-0100	389000-0100	393500-0300	394500-0100	394500-0200	5
6	STATE	OHIO	NEW MEXICO	VIRGINIA	DISTRICT OF COLUM	DISTRICT OF COLUM	6
7	COUNTY	MIAMI	SANDOVAL	WARREN	O. C.	O. C.	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	173 05	152 13	226 02	047 02	047 02	8
9	PLANT CAPACITY (MW)	63.00	51.75	34.50	719.00	235.00	9
10	ANNUAL GENERATION (MWH)[3]	142,000	173,200	7,500	1,096,800	94,800	10
11	PLANT HEAT RATE (BTU/KWH)[3]	21,165	13,981	14,579	12,744	15,657	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	129.15			110.83		12
13	AVERAGE HEAT CONTENT (BTU/LB)	11,368			12,779		13
14	AVERAGE SULFUR CONTENT (%)	3.47			.70		14
15	AVERAGE ASH CONTENT (%)	14.51			9.47		15
16	AVERAGE MOISTURE CONTENT (%)	3.75			6.75		16
17	OIL: CONSUMPTION (1,000 BARRELS)	11.50	23.00	18.75	1,818.71	241.34	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	137,000	141,000	138,335	146,851	146,433	18
19	AVERAGE SULFUR CONTENT (%)	.25	.23	.21	.96	.94	19
20	GAS: CONSUMPTION (1,000 MCF)		2,553.00				20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)		897				21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	6	3	1	12	6	22
23	- NO. OF WET BOTTOM						23
24	- NO. WITH FLY ASH REINJECTION						24
25	- NO. WITH MECHANICAL PRECIPITATORS	3		1	6		25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS				1		26
27	- NO. WITH COMBINATION PRECIPITATORS[4]				1	6	27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	32.00 38.00	0.00	20.00	3.00 23.00	20.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	85.00 92.00		85.00	93.00		30
31	TESTED, LOW - HIGH						31
32	ESTIMATED, LOW - HIGH	80.00			93.00		32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH				96.00 98.40	99.30	33
34	TESTED, LOW - HIGH				95.60 96.10	94.70 99.20	34
35	EST., LOW - HIGH				95.60 96.10	94.70 99.20	35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	3.17			.68		39
40	SULFUR DIOXIDE (1,000 TONS)	8.38	.02	.01	7.66	.76	40
41	NITROGEN OXIDES (1,000 TONS)	.92	.55	.04	5.15	.53	41
42	STACKS: - TOTAL NO.	5	3	1	8	3	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	99.50 127.00	102.00	109.00	177.30 257.80	178.25	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	14.30			18.00		45
46	SOLD (1,000 TONS)[11]				2.00		46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	35.00		207.00	76.00		50
51	ELECTROSTATIC PRECIPITATORS ($1,000)				116.00		51
52	COMBINATION PRECIPITATORS ($1,000)[4]				177.00	1,654.00	52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)		130.80	27.00	701.00	61.00	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	20.00			75.90		55
56	REVENUES FROM SALE OF ASH ($1,000)				2.00		56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	20.00			75.90	17.80	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)				2.00		60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	R MIAMI	M	R SHENANDOAH	R ANACOSTIA	R ANACOSTIA	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	90.00	2.50	4.25	79.00	122.00	62
63	AVERAGE RATE OF DISCHARGE (CFS)	90.00	1.43	4.25	77.00	121.00	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.77	1.07	.04 .07	2.00 1.05	1.00	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG JAN	AUG DEC	AUG DEC	JUL DEC	AUG DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	81.00 32.00		80.00 41.00	90.00 47.00	89.00 46.00	66
67	AT OUTFALL, SUMMER - WINTER	91.00 50.00		96.00 57.00	104.00 74.00	100.00 60.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	90.00		964.00	TIDAL	TIDAL	68
69	- WINTER	350.00		2,050.00	TIDAL	TIDAL	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	D	H			C	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.25	.46	.01	1.03	.09	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		.57	2.00	131.85	8.50	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP		139.13				73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP		17.60	2.00	140.36		74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP[17]	1.00 .75	1.85	.10 .65	48.00	6.60	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES		YES	YES	YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	ST	ST	PS		77
78	RECEIVING WATER BODY[19]			R SHENANDOAH	R ANACOSTIA	R ANACOSTIA	78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING						79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING						81

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	6 52.00		1 40.00	5 182.00	6 260.00	83
84	ONCE THROUGH COOLING (SALINE)						84
85	COOLING POND(S)						85
86	COOLING TOWER(S)		3 51.75		1 289.00		86
87	COMBINATIONS[21]						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1933 1961	1954 1959	1949	1927 1972	1932 1945	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	9.50 18.00	18.00	16.00	12.00 24.00	10.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	160.00	120.00	66.00	1,012.00	880.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	94.00		66.00	450.00	880.00	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)			238.00	990.00	687.00	92
93	COOLING PONDS ($1,000)						93
94	COOLING TOWERS ($1,000)		198.80		460.00		94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	5.00	11.00	20.10	118.25	35.30	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	3.00	39.00	.10			96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	6.00	76.00	23.70	64.56	13.60	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	4.00	4.00	2.00			98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	POTOMAC ELECTRIC POWER CO.	POTOMAC ELECTRIC POWER CO.	POTOMAC ELECTRIC POWER CO.	POTOMAC ELECTRIC POWER CU.	POWER AUTHORITY OF THE STATE OF NEW YORK	
2					FITZPATRICK NUCL	
3					395500-0400	
4 NAME OF PLANT	CHALK POINT	OICKERSON	PUTOMAC RIVER	MORGANTOWN	NEW YORK	
5 UTILITY-PLANT CODE	394500-0300	394500-0400	394500-0500	394500-0600	USWEGO	
6 STATE	MARYLAND	MARYLANC	VIRGINIA	MARYLAND		
7 COUNTY	PRINCE GEORGES	MUNTGOMERY	CITY OF ALEX.	CHARLES		
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	047 02	047 02	047 02	116 02	138 04	
9 PLANT CAPACITY (MW)	1,329.00	588.00	514.00	1,252.00	410.00	
10 ANNUAL GENERATION (MWH)[3]	3,114,400	2,954,400	1,613,900	6,257,100	2,134,000	
11 PLANT HEAT RATE (BTU/KWH)[4]	10,455	9,390	9,811	9,445		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)	973.20	1,177.20	643.30	968.30		
13 AVERAGE HEAT CONTENT (BTU/LB)	12,157	11,783	12,227	12,166		
14 AVERAGE SULFUR CONTENT (%)	1.92	1.81	.93	1.83		
15 AVERAGE ASH CONTENT (%)	14.03	14.63	11.77	14.55		
16 AVERAGE MOISTURE CONTENT (%)	5.65	7.40	7.24	5.03		
17 OIL: CONSUMPTION (T,000 BARRELS)	1,432.10		17.80	5,693.70		
18 AVERAGE HEAT CONTENT (BTU/GAL)	147,930		136,551	148,564		
19 AVERAGE SULFUR CONTENT (%)	1.60		.14	1.82		
20 GAS: CONSUMPTION (1,000 MCF)						
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)						

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	3	3	5	2		
23 - NO. OF WET BOTTOM						
24 - NO. WITH FLY ASH REINJECTION						
25 - NO. WITH MECHANICAL PRECIPITATORS						
26 - NO. WITH ELECTROSTATIC PRECIPITATORS	2	3		2		
27 - NO. WITH COMBINATION PRECIPITATORS[4]			5			
28 - NO. WITH DESULFURIZATION SYSTEMS		1				
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	3.00 18.00	20.00	18.00	18.00		
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
31 TESTED, LOW - HIGH						
32 ESTIMATED, LOW - HIGH						
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	97.50	97.50	99.30 99.70	99.50		
34 TESTED, LOW - HIGH	94.90 96.60	75.20 95.30	87.60 98.10	84.29 86.82		
35 EST., LOW - HIGH	94.90 96.60	75.00				
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH		90.00				
37 TESTED, LOW - HIGH		92.00				
38 ESTIMATED, LOW - HIGH		92.00				

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	5.23	36.60	2.89	17.35		
40 SULFUR DIOXIDE (1,000 TONS)	44.91	41.77	11.70	69.49		
41 NITROGEN OXIDES (1,000 TONS)	12.16	10.60	5.78	21.27		
42 STACKS: - TOTAL NO.	3	2	5	2		
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	400.00 712.00	400.00	161.00	700.00		
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]	150.00	165.50	82.00			
46 SOLD (1,000 TONS)[11]	1.00	4.80	8.00			
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
51 ELECTROSTATIC PRECIPITATORS ($1,000)	907.00	1,309.00		1,390.00		
52 COMBINATION PRECIPITATORS ($1,000)[4]			1,150.00			
53 DESULFURIZATION SYSTEMS ($1,000)		6,504.00				
54 STACKS ($1,000)	605.00	331.00	271.00	2,678.00		
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	680.10	636.80	420.20	640.50		
56 REVENUES FROM SALE OF ASH ($1,000)	.70	11.20	7.70	.85		
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)		295.90				
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	680.10	932.70	420.20	640.50		
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)	.70	11.20	7.70	.85		

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	R PATUXENT	R POTOMAC	R POTOMAC	R POTOMAC	L ONTARIO	
62 AVERAGE RATE OF WITHDRAWAL (CFS)	827.00	520.00	342.40	2,188.00	825.00	
63 AVERAGE RATE OF DISCHARGE (CFS)	821.00	520.00	342.40	2,163.00	825.00	
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	7.11 6.00	4.47	2.94	18.82 15.30	7.10 .40	
65 PEAK LOAD MONTH : SUMMER - WINTER[15]		AUG DEC	AUG DEC	AUG DEC		
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	106.00 69.00	86.00 49.00	92.00 52.00	80.00 40.00		
67 AT OUTFALL, SUMMER - WINTER	96.00 61.00	96.00 65.00	98.00 66.00	91.00 53.00		
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	TIDAL		TIDAL	TIDAL		
69 - WINTER	TIDAL		TIDAL	TIDAL		
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	C	C	C	C	C	
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		.96	.39			
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	126.00	46.60	48.67	287.10		
73 LIME (TONS), COOLING WATER - BOILER MAKEUP	19.67	1.78				
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP	57.00	32.18	35.10			
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	429.42	13.15	52.00	245.00		
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES YES	YES		
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT	OT	PS	OT	OT	
78 [19] RECEIVING WATER BODY	R PATUXENT	R POTOMAC	R POTOMAC	R POTOMAC	L ONTARIO	
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	6.30 5.90					
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	4.30 43.00					
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	4,300.00					
82 - ASH SETTLING						

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		3 588.00	5 514.00		1 2,436.00	
84 ONCE THROUGH COOLING (SALINE)	2 728.00			2 1,148.00		
85 COOLING PONDS(1)						
86 COOLING TOWERS)	1 601.00					
87 COMBINATIONS[21]						
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1964 1974	1959 1962	1949 1957	1970 1971		
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	11.00 30.00	16.00	14.00	10.00	32.40	
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,682.00	633.00	696.40	2,232.00	785.00	
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,114.00	633.00	697.00	2,232.00	825.00	

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)	4,665.00	2,510.00	1,611.00	13,268.00		
93 COOLING PONDS ($1,000)						
94 COOLING TOWERS ($1,000)	7,672.00					

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	248.80	79.10	76.80	330.72		
96 COST OF CHEMICAL ADDITIVES ($1,000)						

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	293.30	87.20	23.30	210.93		
98 COST OF CHEMICAL ADDITIVES ($1,000)						

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	PUBLIC SERVICE CO. OF NEW MEXICO		PUBLIC SERVICE CO. OF NEW MEXICO		PUBLIC SERVICE CO. OF NEW MEXICO		PUBLIC SERVICE CO. OF NEW MEXICO		PUBLIC SERVICE CO. OF INDIANA INC.		1
2												2
3												3
4	NAME OF PLANT	PERSON		PRAGER		REEVES		SAN JUAN		OKESSER		4
5	UTILITY-PLANT CODE	403500-0100		403500-0200		403500-0300		403500-0350		404500-0100		5
6	STATE	NEW MEXICO		NEW MEXICO		NEW MEXICO		NEW MEXICO		INDIANA		6
7	COUNTY	BERNALILLO		BERNALILLO		BERNALILLO		SAN JUAN		VIGO		7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	152	13	152	13	152	13	014	14	084	05	8
9	PLANT CAPACITY (MW)	125.00		35.00		175.00		328.70		150.00		9
10	ANNUAL GENERATION (MWH)[3]	504,500		14,000		1,121,860		2,437,000		114,400		10
11	PLANT HEAT RATE (BTU/KWH)[3]	12,627		16,773		11,222		10,155		12,851		11
	AIR QUALITY CONTROL DATA											
	FUEL CONSUMPTION DATA (ANNUAL)											
12	COAL: CONSUMPTION (1,000 TONS)							1,262.20		84.00		12
13	AVERAGE HEAT CONTENT (BTU/LB)							9,700		10,421		13
14	AVERAGE SULFUR CONTENT (%)							.87		4.10		14
15	AVERAGE ASH CONTENT (%)							21.15		10.71		15
16	AVERAGE MOISTURE CONTENT (%)							4.45		13.18		16
17	OIL: CONSUMPTION (1,000 BARRELS)	49.70	.03			96.50		8.30		13.10		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	145,607	135,698			147,883		134,823		137,000		18
19	AVERAGE SULFUR CONTENT (%)	.48	.50			.78		.10		.24		19
20	GAS: CONSUMPTION (1,000 MCF)	5,709.60	222.40			11,385.70						20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,053	1,053			1,053						21
	PLANT EQUIPMENT DATA											
22	BOILERS: - TOTAL NO.	4		5		3		1		6		22
23	- NO. OF WET BOTTOM									4		23
24	- NO. WITH FLY ASH REINJECTION											24
25	- NO. WITH MECHANICAL PRECIPITATORS											25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS							1				26
27	- NO. WITH COMBINATION PRECIPITATORS[4]											27
28	- NO. WITH DESULFURIZATION SYSTEMS											28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00	20.00	15.00	20.00	7.00		18.00		20.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH											30
31	TESTED, LOW - HIGH											31
32	ESTIMATED, LOW - HIGH											32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH							99.50				33
34	TESTED, LOW - HIGH							99.50				34
35	EST., LOW - HIGH											35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH											36
37	TESTED, LOW - HIGH											37
38	ESTIMATED, LOW - HIGH											38
	PLANT OPERATING DATA AND COST OF EQUIPMENT											
39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.01				.02		1.13		6.50		39
40	SULFUR DIOXIDE (1,000 TONS)	.08				.25		21.53		0.76		40
41	NITROGEN OXIDES (1,000 TONS)	1.22		.04		2.43		11.30		1.11		41
42	STACKS: - TOTAL NO.	4		5		3		1		4		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	66.00	68.50	49.00	67.00	118.30		400.00		305.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]											44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]							266.20		8.80		45
46	SOLD (1,000 TONS)[11]											46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)											47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]											48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)											49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)											50
51	ELECTROSTATIC PRECIPITATORS ($1,000)							4,185.00				51
52	COMBINATION PRECIPITATORS ($1,000)[4]											52
53	DESULFURIZATION SYSTEMS ($1,000)											53
54	STACKS ($1,000)			12.80				755.30		164.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)							419.40		5.30		55
56	REVENUES FROM SALE OF ASH ($1,000)											56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)											57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)											58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	4.30				26.80		419.40		5.30		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)											60
	WATER QUALITY CONTROL DATA											
61	COOLING WATER: SOURCE	W		W		W		R SAN JUAN		R WABASH		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	3.36		.07		3.86		11.10		28.00		62
63	AVERAGE RATE OF DISCHARGE (CFS)	1.18		.02		.80		1.00		28.00		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	2.18		.04		3.06		10.10		.24		64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]					AUG	DEC	AUG	DEC	AUG	DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER							60.00	40.00			66
67	AT OUTFALL, SUMMER - WINTER											67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER									3,500.00		68
69	- WINTER											69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	C				C		C		C		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	4.70	.80			5.10	.50	66.50	.45	.38		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		1.00				.25		410.00	12.63		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP								22.00	7.00		73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP								3.00	1.35		74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	6.25				6.23		60.00		.50	.40	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]		YES			YES	YES	YES	YES		YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST		ST/PS		ST		OT		ST		77
78	RECEIVING WATER BODY[19]							D BASIN				78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING							8.00				79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING							20.00				80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING											81
82												82
	COOLING FACILITY DATA											
83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)									3 150.00		83
84	ONCE THROUGH COOLING (SALINE)											84
85	COOLING POND(S)											85
86	COOLING TOWER(S)	4 125.00		4 30.00		3 175.00		1 330.00				86
87	COMBINATIONS[21]											87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1951 1957		1938 1948		1959 1962		1973		1941 1946		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	15.00	14.00 15.00			16.30		20.00		12.10		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	222.40		75.50		265.00		346.00		321.00		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)									321.00		91
	CAPITAL COSTS OF COOLING FACILITIES											
92	ONCE THROUGH COOLING SYSTEMS ($1,000)									184.00		92
93	COOLING PONDS ($1,000)											93
94	COOLING TOWERS ($1,000)	498.80		148.50		790.10		1,309.20				94
	ANNUAL COOLING WATER EXPENSES											
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	7.80		2.50		54.80		215.70		3.70		95
96	COST OF CHEMICAL ADDITIVES ($1,000)	11.40				40.40		75.60		.60		96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES											
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	29.00		25.60		25.60		228.80		4.20		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	4.30				9.30		14.70		4.00		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	PUBLIC SERVICE CO. OF INDIANA INC.	PUBLIC SERVICE CO. OF INDIANA INC.	PUBLIC SERVICE CO. OF INDIANA INC.	PUBLIC SERVICE CO. OF INDIANA INC.	PUBLIC SERVICE CO. OF INDIANA INC.	1
4	NAME OF PLANT	EDWARDSPORT	GIBSON	NOBLESVILLE	GALLAGHER	WABASH RIVER	4
5	UTILITY-PLANT CODE	404500-0200	404500-0250	404500-0500	404500-0600	404500-0800	5
6	STATE	INDIANA	INDIANA	INDIANA	INDIANA	INDIANA	6
7	COUNTY	KNOX	GIBSON	HAMILTON	FLOYD	VIGO	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	084 05	077 05	080 05	078 05	084 05	8
9	PLANT CAPACITY (MW)	144.00	650.00	100.00	600.00	562.00	9
10	ANNUAL GENERATION (MWH)[3]	416,400	2,470,000	221,000	2,898,000	3,966,200	10
11	PLANT HEAT RATE (BTU/KWH)[3]	12,784	9,183	12,735	10,618	12,401	11
	AIR QUALITY CONTROL DATA						
	FUEL CONSUMPTION DATA (ANNUAL)						
12	COAL: CONSUMPTION (1,000 TONS)	229.00	1,029.00	132.00	1,379.00	1,655.00	12
13	AVERAGE HEAT CONTENT (BTU/LB)	10,677	10,916	10,587	11,042	11,016	13
14	AVERAGE SULFUR CONTENT (%)	2.33	2.02	2.81	3.29	2.74	14
15	AVERAGE ASH CONTENT (%)	10.98	11.49	12.13	12.28	11.52	15
16	AVERAGE MOISTURE CONTENT (%)	14.66	13.39	12.45	11.43	13.90	16
17	OIL: CONSUMPTION (1,000 BARRELS)	75.30	37.20	3.20	66.20	47.20	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	137,000	137,000	137,000	137,000	137,000	18
19	AVERAGE SULFUR CONTENT (%)	.31	.31	.31	.31	.31	19
20	GAS: CONSUMPTION (1,000 MCF)						20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)						21
	PLANT EQUIPMENT DATA						
22	BOILERS: - TOTAL NO.	4	1	3	4	6	22
23	- NO. OF WET BOTTOM						23
24	- NO. WITH FLY ASH REINJECTION						24
25	- NO. WITH MECHANICAL PRECIPITATORS						25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	3	1	3	4	6	26
27	- NO. WITH COMBINATION PRECIPITATORS[4]						27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00	20.00	25.00	20.00	20.00 24.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						30
31	TESTED, LOW - HIGH						31
32	ESTIMATED, LOW - HIGH						32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	98.60	99.00	98.00	99.00	98.00 98.50	33
34	TESTED, LOW - HIGH	98.80	98.80	98.00	99.00	91.50 98.50	34
35	EST., LOW - HIGH	98.80	98.80	98.00	99.00	93.00 98.50	35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38
	PLANT OPERATING DATA AND COST OF EQUIPMENT						
39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.27	1.21	.19	1.44	6.27	39
40	SULFUR DIOXIDE (1,000 TONS)	10.54	40.78	7.27	88.99	101.48	40
41	NITROGEN OXIDES (1,000 TONS)	2.23	9.34	1.20	12.56	16.80	41
42	STACKS: - TOTAL NO.	4	1	3	2	6	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	183.00	500.00	225.00	550.00	300.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	25.70	118.90	15.30	145.60	192.60	45
46	SOLD (1,000 TONS)[11]					9.60	46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	2,622.00	1,270.00		5,972.00	6,750.00	51
52	COMBINATION PRECIPITATORS ($1,000)[4]						52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)	4,000.00	1,289.00	111.00	2,449.00	532.00	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	67.00	20.00	39.00	72.00	244.00	55
56	REVENUES FROM SALE OF ASH ($1,000)					5.00	56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	67.00	20.00	39.00	72.00	244.00	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)					5.00	60
	WATER QUALITY CONTROL DATA						
61	COOLING WATER: SOURCE	R WHITE	R WABASH	R WHITE	R OHIO	R WABASH	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	85.90	85.50	58.60	486.70	650.00	62
63	AVERAGE RATE OF DISCHARGE (CFS)	85.95		58.60	486.60	649.00	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.74 .05	85.50	.50 .01	9.20 .10	5.59 .10	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC	AUG DEC	AUG DEC	AUG DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT CIVEPSION, SUMMER - WINTER	86.00 57.00	84.00 47.00	80.00 42.00	82.00 48.00	78.00 44.00	66
67	AT OUTFALL, SUMMER - WINTER	100.00 76.00	101.00 63.00	91.00 58.00	108.00 74.00	92.00 62.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	3,334.00		1,160.00	34,560.00	3,500.00	68
69	- WINTER	15,531.00		656.00	130,900.00	13,260.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	C	C	C	C	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	3.90 .15		.05	.35	.37	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	44.95	323.45	6.40	164.55	25.28	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	96.53 1.97	1.50	14.50		89.29	73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	107.31 2.19		11.75			74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	13.14 3.29	40.00	8.00	15.30 2.70	24.85 2.15	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES YES	YES YES	YES YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	OT	ST	OT		77
78	[18] RECEIVING WATER BODY		D ASH POND		D ASH SETTL POND		78
79	POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING	8.50	8.20	8.50	10.70	9.00 9.00	79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	698.00	15.00	20.00	20.00	5.00 50.00	80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN			97.60		3,500.00	81
82	- ASH SETTLING	45,000.00	200,000.00		83,000.00	30,800.00	82
	COOLING FACILITY DATA						
83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	3 144.25		2 100.00	4 600.00	6 562.00	83
84	ONCE THROUGH COOLING (SALINE)						84
85	COOLING PONDS(S)		1 650.00				85
86	COOLING TOWER(S)						86
87	COMBINATIONS[21]						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1943 1951	1975	1950	1958 1961	1953 1968	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	12.80 15.80	20.00	15.50	18.70	15.70 22.50	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	290.20	575.00	174.80	676.00	1,044.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	290.20		174.80	676.00	1,044.00	91
	CAPITAL COSTS OF COOLING FACILITIES						
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	511.00		532.00	2,462.00	2,998.00	92
93	COOLING PONDS ($1,000)		9,700.00				93
94	COOLING TOWERS ($1,000)			191.00			94
	ANNUAL COOLING WATER EXPENSES						
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	53.00	7.00	29.00	174.00	79.00	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	5.00	6.00	3.00	5.00	10.00	96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES						
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	116.00	92.00	7.00	87.00	117.00	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	17.00	80.00	6.00	53.00	41.00	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	PUBLIC SERVICE CO. OF INDIANA INC.	PUBLIC SERVICE CO OF NEW HAMPSHIRE	PUBLIC SERVICE CO OF NEW HAMPSHIRE	PUBLIC SERVICE CO OF NEW HAMPSHIRE	PUBLIC SERVICE ELECTRIC & GAS CO.	1
2							2
3							3
4	NAME OF PLANT	CAYUGA	MERRIMACK	NEWINGTON	SCHILLER	BERGEN	4
5	UTILITY-PLANT CODE	404500-0900	405000-1100	405000-1150	405000-1400	405500-0100	5
6	STATE	INDIANA	NEW HAMPSHIRE	NEW HAMPSHIRE	NEW HAMPSHIRE	NEW JERSEY	6
7	COUNTY	VERMILLION	MERRIMACK	ROCKINGHAM	ROCKINGHAM	BERGEN	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	084 05	121 01	121 01	121 01	043 02	8
9	PLANT CAPACITY (MW)	1,062.00	459.24	414.00	178.75	650.40	9
10	ANNUAL GENERATION (MWH)[3]	5,509,300	2,471,100	660,700	504,300	1,715,000	10
11	PLANT HEAT RATE (BTU/KWH)[3]	9,789	10,366	11,269	12,138	10,230	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	2,601.00	978.80					12
13	AVERAGE HEAT CONTENT (BTU/LB)	10,329	13,138					13
14	AVERAGE SULFUR CONTENT (%)	2.23	2.34					14
15	AVERAGE ASH CONTENT (%)	12.77	9.27					15
16	AVERAGE MOISTURE CONTENT (%)	16.15	4.77					16
17	OIL: CONSUMPTION (1,000 BARRELS)	34.40	1.28	1,222.64	990.00	2,576.10		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	137,000	136,156	144,992	147,161	142,149		18
19	AVERAGE SULFUR CONTENT (%)	.31	.05	1.81	1.82	.27		19
20	GAS: CONSUMPTION (1,000 MCF)					2,041.70		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)					1,029		21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	2	2	1	5	2		22
23	- NO. OF WET BOTTOM		2			2		23
24	- NO. WITH FLY ASH REINJECTION		2	1				24
25	- NO. WITH MECHANICAL PRECIPITATORS							25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	2	2	1				26
27	- NO. WITH COMBINATION PRECIPITATORS[4]				2	2		27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00	16.00	6.00	12.50 20.00	15.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH							32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	99.00	90.00 97.50	98.00	95.75	98.00		33
34	TESTED, LOW - HIGH	91.15 93.78	88.90 97.50	91.00				34
35	EST., LOW - HIGH	97.00	86.05 92.07	33.66				35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	6.47	.96	.17	.06	.01		39
40	SULFUR DIOXIDE (1,000 TONS)	113.72	44.89	7.42	6.05	2.33		40
41	NITROGEN OXIDES (1,000 TONS)	23.48	26.92	2.70	2.18	6.08		41
42	STACKS: - TOTAL NO.	2	2	1	4	2		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	500.00 225.00	317.00	410.00	137.00 226.00	365.50		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]			.02	.10			44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	335.00	87.70	.06	.03			45
46	SOLD (1,000 TONS)[11]		64.00		.03			46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	2,035.00	1,431.00	808.00				51
52	COMBINATION PRECIPITATORS ($1,000)[4]				332.00	1,858.00		52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	584.00	393.00	743.00	474.90	829.50		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	110.00	198.00		1.60			55
56	REVENUES FROM SALE OF ASH ($1,000)		84.20		10.80			56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	110.00	198.00	78.90	1.60			59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)		84.20		10.80			60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	R WABASH	R MERRIMACK	R PISCATAQUA	R PISCATAQUA	C OVERBECK		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	1,452.60	444.00	490.20	252.40	511.00		62
63	AVERAGE RATE OF DISCHARGE (CFS)	1,452.50	435.40	486.00	250.20	511.00		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	12.49 .10	8.60	4.22 4.20	2.17 2.20	4.39		64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	JUL FEB	JUL FEB	AUG FEB	AUG DEC		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT CIVERSION, SUMMER - WINTER	81.00 48.00	80.36 33.00	35.10	68.00 39.00	92.00 61.00		66
67	AT OUTFALL, SUMMER - WINTER	85.00 55.00	90.70 72.02	47.50	91.00 64.00	104.00 69.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	5,100.00	3,167.00		17,600.00			68
69	- WINTER	10,500.00	3,204.00	17,600.00	17,600.00			69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	O	H	C	C		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.25	.46	.60	.25	.90		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	489.08	105.65	61.51	.07	112.89		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	270.87						73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP							74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	27.30	15.44		0.72	165.00		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES YES	YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT	ST	ST	ST	PS		77
78	RECEIVING WATER BODY[19]	O ASH SETTL POND			R PISCATAQUA			78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	9.70	5.50 5.50	7.10	10.50	9.50		79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		6.50 6.50	11.56	48.00	5.00		80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN		281,000.00	46.80	82.50	100.00		81
82	- ASH SETTLING		281,000.00					82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	2 1,062.00						83
84	ONCE THROUGH COOLING (SALINE)			1 414.00	4 178.75	2 650.40		84
85	COOLING PONDS(S)							85
86	COOLING TOWERS)							86
87	COMBINATIONS[21]		2 459.24					87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1970 1972	1960 1968	1974	1949 1957	1959 1960		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	16.00	22.00 26.00	14.00	17.00 20.00	11.20		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,186.00	416.00	472.30	245.00	968.00		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,186.00	444.00	490.20	252.00	960.00		91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	3,080.00	1,864.00	855.00	1,885.00	2,813.70		92
93	COOLING PONDS ($1,000)		2,400.00					93
94	COOLING TOWERS ($1,000)	3,000.00						94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	81.00	363.20	5.90	36.10	137.99		95
96	COST OF CHEMICAL ADDITIVES ($1,000)	8.00	13.20	6.80	5.00	31.05		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	96.00	144.40	18.10	27.50	74.03		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	123.00	70.00	12.80	2.70	36.95		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	PUBLIC SERVICE ELECTRIC & GAS CO.	PUBLIC SERVICE ELECTRIC & GAS CO.	PUBLIC SERVICE ELECTRIC & GAS CO.	PUBLIC SERVICE ELECTRIC & GAS CO.	PUBLIC SERVICE ELECTRIC & GAS CO.	
NAME OF PLANT	BURLINGTON	ESSEX	HUDSON	KEARNY B	LINDEN	
UTILITY-PLANT CODE	405500-0200	405500-0300	405500-0500	405500-0800	405500-0900	
STATE	NEW JERSEY	NEW JERSEY	NEW JERSEY	NEW JERSEY	NEW JERSEY	
COUNTY	BURLINGTON	ESSEX	HUDSON	HUDSON	UNION	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	045 02	043 02	043 02	043 02	043 02	
PLANT CAPACITY (MW)	455.00	92.00	1,114.50	314.10	612.90	
ANNUAL GENERATION (MWH)[3]	1,067,600	161,000	3,334,400	870,000	2,109,000	
PLANT HEAT RATE (BTU/KWH)[3]	11,894	15,998	10,526	14,184	16,149	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)			529.00			
AVERAGE HEAT CONTENT (BTU/LB)			12,345			
AVERAGE SULFUR CONTENT (%)			1.41			
AVERAGE ASH CONTENT (%)			11.13			
AVERAGE MOISTURE CONTENT (%)			6.34			
OIL: CONSUMPTION (1,000 BARRELS)	2,108.70	383.80	3,074.20	1,769.00	5,708.00	
AVERAGE HEAT CONTENT (BTU/GAL)	142,623	143,086	142,806	142,665	143,688	
AVERAGE SULFUR CONTENT (%)	.29	.28	.29	.29	.42	
GAS: CONSUMPTION (1,000 MCF)		175.00	3,355.20			
AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,028	1,030			

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	5	4	2	2	5	
- NO. OF WET BOTTOM			1			
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS						
- NO. WITH ELECTROSTATIC PRECIPITATORS	4	1	2			
- NO. WITH COMBINATION PRECIPITATORS[4]	1					
- NO. WITH DESULFURIZATION SYSTEMS				2		
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00	15.00 20.00	16.00 18.00	20.00	14.00 15.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	95.00 97.00	93.00	99.00 99.50	97.00		
TESTED, LOW - HIGH			98.50			
EST., LOW - HIGH			99.00			
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.01		.51	.01	.96	
SULFUR DIOXIDE (1,000 TONS)	2.05	.30	17.61	1.72	8.04	
NITROGEN OXIDES (1,000 TONS)	4.65	.88	12.19	3.90	12.59	
STACKS: - TOTAL NO.	3	3	2	2	6	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	224.80	273.00	329.50 498.00	270.30	225.00 225.50	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]			57.00			
SOLD (1,000 TONS)[11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)	390.00	196.00	2,767.30			
COMBINATION PRECIPITATORS ($1,000)[4]	247.00			580.00		
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	116.20	129.10	2,019.70	154.40	749.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)			635.00			
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]			635.00			
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	R DELAWARE	R PASSAIC	R HACKENSACK	R HACKENSACK	R ARTHUR KILL	
AVERAGE RATE OF WITHDRAWAL (CFS)	372.00	48.00	931.00	371.00	470.00	
AVERAGE RATE OF DISCHARGE (CFS)	372.00	48.00	931.00	371.00	470.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	3.20	.41	8.01	3.19	4.04	
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC	AUG DEC	AUG DEC	AUG DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	86.00 48.00	88.00 48.00	88.00 51.00	84.00 43.00	78.00 52.00	
AT OUTFALL, SUMMER - WINTER	101.00 63.00	100.00 60.00	100.00 63.00	112.00 66.00	94.00 76.00	
AVE. FLOW IN RECEIVING BODY DUPING PEAK MONTH (CFS): SUMMER						
- WINTER						
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	O	O	O	O	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.25	6.00	.75	4.35	7.90	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	155.49		542.83	53.90	1,498.31	
LIME (TONS), COOLING WATER - BOILER MAKEUP						
ALUM (TONS), COOLING WATER - BOILER MAKEUP					469.96	
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	22.00	30.00	220.00	33.00	305.00	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES	YES	YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	PS	PS	PS	ST	
RECEIVING WATER BODY[19]						
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	10.50	10.50	6.90	8.90	10.00	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	5.00	5.00	5.30	2.00	5.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	698.00	100.00	130.92	64.00	8.00	
- ASH SETTLING						

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	3 442.50					
ONCE THROUGH COOLING (SALINE)		3 117.00	2 1,114.50	2 294.10	2 519.40	
COOLING PONDS(S)						
COOLING TOWER(S)						
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1940 1955	1918 1947	1964 1968	1953	1957	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	12.20 12.30	9.20 24.80	12.40 15.00	12.50	12.20 15.20	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	638.00	433.00	1,342.00	440.00	528.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	842.60	645.00	1,382.00	448.00	538.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	2,673.50	1,700.90	4,343.80	990.20	1,519.20	
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	102.30	72.00	106.66	72.87	179.98	
COST OF CHEMICAL ADDITIVES ($1,000)	7.81	4.75	33.70	5.38	48.46	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	80.86	28.66	157.64	92.59	291.39	
COST OF CHEMICAL ADDITIVES ($1,000)	44.08	3.84	178.36	22.04	491.75	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	PUBLIC SERVICE ELECTRIC & GAS	PUBLIC SERVICE ELECTRIC & GAS	PUBLIC SERVICE CO. OF COLORADO	PUBLIC SERVICE CO. OF COLORADO	PUBLIC SERVICE CO. OF COLORADO		
NAME OF PLANT	CO. MERCER	CO. SEWAREN	ARAPAHOE	CAMED	CHEROKEE		
UTILITY-PLANT CODE	405500-1100	405500-1200	406000-0200	406000-0500	406000-0600		
STATE	NEW JERSEY	NEW JERSEY	COLORADO	COLORADO	COLORADO		
COUNTY	MERCER	MIDDLESEX	DENVER	MESA	ADAMS		
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	045 02	043 02	036 10	035 14	036 10		
PLANT CAPACITY (MW)	652.80	850.00	250.50	75.00	801.30		
ANNUAL GENERATION (MWH)[3]	2,834,700	1,538,900	1,576,600	535,700	5,222,800		
PLANT HEAT RATE (BTU/KWH)[3]	9,641	12,144	12,827	11,545	10,814		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	1,047.40		654.10	176.36	2,151.15		
AVERAGE HEAT CONTENT (BTU/LB)	12,398		10,150	10,695	10,276		
AVERAGE SULFUR CONTENT (%)	1.49		.54	.68	.49		
AVERAGE ASH CONTENT (%)	10.52		8.11	11.71	8.90		
AVERAGE MOISTURE CONTENT (%)	5.17		18.25	7.15	10.00		
OIL: CONSUMPTION (1,000 BARRELS)		3,753.10		.21			
AVERAGE HEAT CONTENT (BTU/GAL)		142,387		136,205			
AVERAGE SULFUR CONTENT (%)		.29		.19			
GAS: CONSUMPTION (1,000 MCF)	1,316.00	835.50	7,065.10	2,382.65	12,131.89		
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,028	1,029	997	1,012	998		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	5	4	2	4		
- NO. OF WET BOTTOM	2						
- NO. WITH FLY ASH REINJECTION							
- NO. WITH MECHANICAL PRECIPITATORS			1	1			
- NO. WITH ELECTROSTATIC PRECIPITATORS	2						
- NO. WITH COMBINATION PRECIPITATORS[4]		4	3	1	4		
- NO. WITH DESULFURIZATION SYSTEMS			1		3		
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	15.00	18.00 20.00	26.30 28.50	23.00 25.00	16.00 27.50		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			85.00	80.00			
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH			75.00	75.00			
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	99.00	95.00	87.00 97.50	87.00	87.00 94.20		
TESTED, LOW - HIGH	99.20						
EST., LOW - HIGH	99.00		89.80 95.70	97.60	85.30 99.30		
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH					97.50		
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.72	.26	6.95	.56	42.20		
SULFUR DIOXIDE (1,000 TONS)	30.59	3.69	7.06	2.35	21.85		
NITROGEN OXIDES (1,000 TONS)	15.97	8.53	8.18	2.05	23.97		
STACKS: - TOTAL NO.	2	5	2	2	3		
- HEIGHT (FEET), LOWEST - HIGHEST[8]	325.50	225.00 325.00	250.00	150.00 200.00	300.00 400.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							
TOTAL ASH: COLLECTED (1,000 TONS)[10]	102.80		51.40	19.88	177.73		
SOLD (1,000 TONS)[11]	15.50						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			72.10	48.30			
ELECTROSTATIC PRECIPITATORS ($1,000)	7,086.10						
COMBINATION PRECIPITATORS ($1,000)[4]		1,384.00	1,086.70	237.12	2,154.28		
DESULFURIZATION SYSTEMS ($1,000)			4,300.00		20,376.00		
STACKS ($1,000)	583.40	782.00	193.50	113.20	760.61		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	636.00		585.88	145.39	1,172.79		
REVENUES FROM SALE OF ASH ($1,000)	8.00				9.54		
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)					44.29		
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	636.00		618.78	145.39	1,908.23		
TOTAL BYPRODUCT SALES REVENUES ($1,000)	8.00				9.54		

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	R DELAWARE	R ARTHUR KILL	RW PLATTE	U USBR CANAL	R PLATTE		
AVERAGE RATE OF WITHDRAWAL (CFS)	890.00	840.00	4.14	67.60	31.44		
AVERAGE RATE OF DISCHARGE (CFS)	890.00	840.00	.90	67.10	14.87		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	7.65	7.22	3.24	.50	16.57		
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC	AUG DEC	AUG DEC	AUG DEC		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	82.00 46.00	76.00 50.00	65.00 40.80	72.00 39.00	74.00 45.80		
AT OUTFALL, SUMMER - WINTER	86.00 58.00	83.00 57.00	86.50 57.80	96.70 63.80	80.00 60.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER				2,977.00			
- WINTER				2,031.00			
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	C	D		H			
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP			4.47	.19	1.26		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	54.41	189.80	.21	.10	4.28		
LIME (TONS), COOLING WATER - BOILER MAKEUP							
ALUM (TONS), COOLING WATER - BOILER MAKEUP							
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP[17]	49.00	85.00	2.50		92.32		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES YES	YES YES	YES YES		
SEWAGE DISPOSAL: METHOD (PS, ST, SW, OT)[18]	ST	PS					
RECEIVING WATER BODY							
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	9.50 6.90	10.50	8.80 8.80		6.00		
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	5.00 4.10	5.00	420.00 420.00		50.00		
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	70.00	600.00					
- ASH SETTLING	203.65		28,270.00		274,000.00		

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	2 652.80						
ONCE THROUGH COOLING (SALINE)		5 820.00					
COOLING POND(S)				2 66.00			
COOLING TOWER(S)			4 232.00		4 710.00		
COMBINATIONS[21]							
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1960	1948 1962	1950 1955	1957	1957 1968		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	11.20	10.90 14.70	19.70 21.30	15.00	13.00 18.00		
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,056.00	1,302.00	346.00	75.00	1,017.00		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,088.00	1,410.00		77.80			

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	2,918.40	2,873.50					
COOLING PONDS ($1,000)				53.00			
COOLING TOWERS ($1,000)			755.00		2,185.00		

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	38.91	193.81	45.60	13.37	116.17		
COST OF CHEMICAL ADDITIVES ($1,000)	16.66	13.28	102.50	.06	157.02		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	93.58	112.88	12.10	.36	8.49		
COST OF CHEMICAL ADDITIVES ($1,000)	26.21	71.92	6.70	2.79	27.32		

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	PUBLIC SERVICE CO. OF COLORADO	PUBLIC SERVICE CO. OF COLORADO	PUBLIC SERVICE CO. OF COLORADO	PUBLIC SERVICE CO. OF OKLAHOMA	PUBLIC SERVICE CO. OF OKLAHOMA	
NAME OF PLANT	COMANCHE	VALMONT	ZUNI	COMANCHE	NORTHEASTERN	
UTILITY-PLANT CODE	406000-0650	406000-1200	406000-0300	406300-0050	406300-0500	
STATE	COLORADO	COLORADO	COLORADO	OKLAHOMA	OKLAHOMA	
COUNTY	PUEBLO	BOULDER	DENVER	COMANCHE	ROGERS	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	038 11	036 10	036 10	109 11	146 11	
PLANT CAPACITY (MW)	778.50	281.75	115.25	290.00	642.50	
ANNUAL GENERATION (MWH)[3]	1,909,800	963,700	703,700	1,223,600	4,340,300	
PLANT HEAT RATE (BTU/KWH)[3]	10,836	11,558	15,751	9,618	9,501	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	1,218.36	179.81				
AVERAGE HEAT CONTENT (BTU/LB)	8,395	10,249				
AVERAGE SULFUR CONTENT (%)	.42	.82				
AVERAGE ASH CONTENT (%)	5.90	8.43				
AVERAGE MOISTURE CONTENT (%)	29.79	14.92				
OIL: CONSUMPTION (1,000 BARRELS)	33.95		676.38	.03	.78	
AVERAGE HEAT CONTENT (BTU/GAL)	139,493		147,895	137,300	141,700	
AVERAGE SULFUR CONTENT (%)	.29		.96	.27	.65	
GAS: CONSUMPTION (1,000 MCF)	35.75	7,365.70	6,903.48	11,053.00	37,248.00	
AVERAGE HEAT CONTENT (BTU/CU.FT.)	979	1,012	997	1,065	1,059	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	2	9	3		2	
- NO. OF WET BOTTOM		4				
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS			1			
- NO. WITH ELECTROSTATIC PRECIPITATORS	2					
- NO. WITH COMBINATION PRECIPITATORS[4]		1	1			
- NO. WITH DESULFURIZATION SYSTEMS		1				
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	27.00 27.00	28.50	15.00 28.50		7.00 8.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			85.00			
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH			75.00			
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH		87.00	87.00			
TESTED, LOW - HIGH						
EST., LOW - HIGH	99.60		81.30			
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH		90.00				
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.24	3.19	.03			
SULFUR DIOXIDE (1,000 TONS)	10.06	2.93	2.18			
NITROGEN OXIDES (1,000 TONS)	11.05	12.46	2.84		7.66	
STACKS: - TOTAL NO.	2	3	3	4	3	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	500.00 251.00	379.00	45.00 292.00	52.00	183.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]			.01			
TOTAL ASH: COLLECTED (1,000 TONS)[10]	85.02	28.50				
SOLD (1,000 TONS)[11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			89.06			
ELECTROSTATIC PRECIPITATORS ($1,000)	16,936.00					
COMBINATION PRECIPITATORS ($1,000)[4]		518.98	198.50			
DESULFURIZATION SYSTEMS ($1,000)		1,739.30				
STACKS ($1,000)	2.34	327.40	123.90			
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	433.01	212.07				
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	433.01	265.64	5.57			
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	R ST. CHAPLES	O RESVP	R PLATTE	C CACHE	L OOLOGAH	
AVERAGE RATE OF WITHDRAWAL (CFS)	6.33	4.52	68.02	2.03	9.49	
AVERAGE RATE OF DISCHARGE (CFS)	2.11	2.36	66.59	.55	1.58	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	4.22	2.16	1.43	1.48	7.91	
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC	AUG DEC	JUL NOV	JUL NOV	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	68.00 37.00	77.50	74.00 51.00		78.00 55.00	
AT OUTFALL, SUMMER - WINTER	73.00 49.00	84.00	91.50 72.00	83.00	92.00 84.00	
AVE. FLOW IN RECEIVING BODY DUPING PEAK MONTH (CFS): SUMMER					2,768.00	
- WINTER					765.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	C	O	C	C		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.90 1.47	1.02	3.31 8.23	.25	.01	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	253.64	.04		10.73	19.44	
LIME (TONS), COOLING WATER - BOILER MAKEUP	446.00		34.79		9.58	
ALUM (TONS), COOLING WATER - BOILER MAKEUP	86.87				2.03	
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	11.20	13.50	.60		52.87 93.25	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES	YES YES	YES	YES YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT			ST	OT	
POND DISCHARGE:[19] PH, RECEIVING WATER BODY	R ST. CHAPLES				C FOUR MILE	
BOILER BLOWDOWN - ASH SETTLING	7.90		9.40	9.80	9.80	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	15.40			5.00	3.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING	66,540.00			1,101.01	1,155.18	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)			1 35.00			
ONCE THROUGH COOLING (SALINE)						
COOLING PONDS		5 273.50		1 120.00		
COOLING TOWER(S)	2 778.50		1 66.00		2 642.50	
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1973 1975	1924 1964	1948 1954	1972	1961 1969	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	22.42 22.46	10.00	15.00 21.30	14.00	15.50 23.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	632.80	641.40	65.00	169.00	742.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)			64.60			

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)			107.00			
COOLING PONDS ($1,000)		978.00				
COOLING TOWERS ($1,000)	2,169.05		482.00			

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	13.11	2.09	13.16			
COST OF CHEMICAL ADDITIVES ($1,000)	114.54	3.78	17.04		106.40	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	9.98	1.58	31.17			
COST OF CHEMICAL ADDITIVES ($1,000)	18.44	1.39	15.01	4.40	9.10	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	PUBLIC SERVICE CO. OF OKLAHOMA	PUBLIC SERVICE CO. OF OKLAHOMA	PUBLIC SERVICE CO. OF OKLAHOMA	PUBLIC SERVICE CO. OF OKLAHOMA	NEW ULM PUBLIC UTIL COMM	
NAME OF PLANT	RIVERSIDE	SOUTHWESTERN	TULSA	WELEETKA	NEW ULM	
UTILITY-PLANT CODE	406300-0550	406300-0600	406300-0700	406300-0800	407000-0200	
STATE	OKLAHOMA	OKLAHOMA	OKLAHOMA	OKLAHOMA	MINNESOTA	
COUNTY	TULSA	CADDO	TULSA	OKFUSKEE	BROWN	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	186 11	189 11	186 11	188 11	128 07	
PLANT CAPACITY (MW)	472.50	483.00	408.00	83.00	53.50	
ANNUAL GENERATION (MWH)[3]	2,223,200	2,451,700	2,125,200	38,600	99,000	
PLANT HEAT RATE (BTU/KWH)[4]	9,828	10,498	10,769	17,751	18,648	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)					34.10	
AVERAGE HEAT CONTENT (BTU/LB)					12,500	
AVERAGE SULFUR CONTENT (%)					1.90	
AVERAGE ASH CONTENT (%)					7.86	
AVERAGE MOISTURE CONTENT (%)						
OIL: CONSUMPTION (1,000 BARRELS)	.54	.60	4.55		5.90	
AVERAGE HEAT CONTENT (BTU/GAL)	143,557	136,800	140,000		138,000	
AVERAGE SULFUR CONTENT (%)	.57	.31	.37		.39	
GAS: CONSUMPTION (1,000 MCF)	21,621.00	24,287.00	22,404.00	648.00	959.50	
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,010	1,060	1,022	1,058	1,000	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	1		4		4		6		4			
- NO. OF WET BOTTOM												
- NO. WITH FLY ASH REINJECTION									3			
- NO. WITH MECHANICAL PRECIPITATORS									3			
- NO. WITH ELECTROSTATIC PRECIPITATORS												
- NO. WITH COMBINATION PRECIPITATORS[4]												
- NO. WITH DESULFURIZATION SYSTEMS												
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	8.00	5.00	8.00	7.00	15.00	10.00	15.00		30.00			
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH									93.00			
TESTED, LOW - HIGH												
ESTIMATED, LOW - HIGH									93.00			
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH												
TESTED, LOW - HIGH												
EST., LOW - HIGH												
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH												
TESTED, LOW - HIGH												
ESTIMATED, LOW - HIGH												

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)						.01			.81			
SULFUR DIOXIDE (1,000 TONS)						4.38	.13		1.21			
NITROGEN OXIDES (1,000 TONS)	4.22		4.74						.43			
STACKS: - TOTAL NO.	1		4		7		3		4			
- HEIGHT (FEET), LOWEST - HIGHEST[8]	300.00	114.00	141.00	175.00	184.00		113.00	95.00	150.00			
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]												
TOTAL ASH: COLLECTED (1,000 TONS)[10]												
SOLD (1,000 TONS)[11]												
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)												
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]												
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)												
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)									19.08			
ELECTROSTATIC PRECIPITATORS ($1,000)												
COMBINATION PRECIPITATORS ($1,000)[4]												
DESULFURIZATION SYSTEMS ($1,000)												
STACKS ($1,000)									5,100.00			
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)												
REVENUES FROM SALE OF ASH ($1,000)												
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)												
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)												
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]												
TOTAL BYPRODUCT SALES REVENUES ($1,000)												

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	P ARKANSAS		O CRK/RVR/RESVR		R ARKANSAS		R CANADIAN		M			
AVERAGE RATE OF WITHDRAWAL (CFS)	4.88		4.94		5.07		.52					
AVERAGE RATE OF DISCHARGE (CFS)	1.08		1.23		1.27		.17					
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	3.80		3.71		3.80		.35					
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL	NOV	JUL	NOV	JUL	NOV	JUL	NOV				
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	83.00	45.00	77.00	39.00	81.00	59.00	85.00					
AT OUTFALL, SUMMER - WINTER	95.00	86.00	92.00	50.00	99.00	91.00	92.00					
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	8,808.00		1,150.00		8,808.00		806.00					
- WINTER	1,668.00		198.00		1,668.00		219.00					
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C		C		C		C		C			
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	13.60		22.42	.16	17.59	.24	.65	.39		14.05		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		8.02		12.01		11.58		5.23				
LIME (TONS), COOLING WATER - BOILER MAKEUP		2.86	16.20	2.29						51.15		
ALUM (TONS), COOLING WATER - BOILER MAKEUP			43.91	.62								
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	11.60		16.59	.06	26.00		.35					
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES	YES	YES	YES		YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT		OT		PS		ST		PS			
RECEIVING WATER BODY	P APKANSAS		R WASHITA				R NORTH CANADIAN					
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	9.70		10.80		9.80		9.80					
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	1.00		10.00		5.00		650.00					
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING		646.43		930.02		2,240.81		741.67				

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[19A]: ONCE THROUGH COOLING (FRESH)												
ONCE THROUGH COOLING (SALINE)												
COOLING POND(S)												
COOLING TOWER(S)	1	472.50	3	483.00	4	408.00	3	83.00	4	29.50		
COMBINATIONS[21]												
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM		1974	1952	1967	1947	1958	1948	1955	1956	1971		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]		23.00	17.00	20.80	14.50	17.00	14.50	19.00				
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)		486.00		548.20		724.80		187.20		109.30		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)												

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)												
COOLING PONDS ($1,000)												
COOLING TOWERS ($1,000)										79.30		

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)		37.80		55.70		57.50		1.50				
COST OF CHEMICAL ADDITIVES ($1,000)												

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)												
COST OF CHEMICAL ADDITIVES ($1,000)		7.20		7.80		13.00		1.60				

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	PUERTO RICO WATER RESOURCES AUTH.	PUERTO RICO WATER RESOURCES AUTH.	PUERTO RICO WATER RESOURCES AUTH.	PUERTO RICO WATER RESOURCES AUTH.	RICHMOND PWR & LIGHT	
NAME OF PLANT	PALO SECO	SAN JUAN	SOUTH COAST	AGUIRRE	WHITEWATER	
UTILITY-PLANT CODE	407700-0100	407700-0200	407700-0300	407700-0400	419500-0200	
STATE	PUERTO RICO	PUERTO RICO	PUERTO RICO	PUERTO RICO	INDIANA	
COUNTY	TOA BAJA	SAN JUAN	GUAYANILLA	AGUIRRE	WAYNE	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	244 - 23	244 - 23	244 - 23	244 - 23	076 - 05	
PLANT CAPACITY (MW)	585.00	576.00	1,073.00	935.00	93.00	
ANNUAL GENERATION (MWH)[3]	2,874,200	1,266,700	5,094,500	374,200	352,200	
PLANT HEAT RATE (BTU/KWH)[3]	9,758	10,060	10,150	26,918	11,168	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)						
AVERAGE HEAT CONTENT (BTU/LB)					17,000	
AVERAGE SULFUR CONTENT (%)					11.039	
AVERAGE ASH CONTENT (%)					2.92	
AVERAGE MOISTURE CONTENT (%)					11.95	
OIL: CONSUMPTION (1,000 BARRELS)	4,458.68	3,259.33	8,288.59	1,297.94	11.87	
AVERAGE HEAT CONTENT (BTU/GAL)	149,723	146,858	148,572	143,726	.61	
AVERAGE SULFUR CONTENT (%)	1.92	1.60	2.32	2.01	138,000	
GAS: CONSUMPTION (1,000 MCF)					1.00	
AVERAGE HEAT CONTENT (BTU/CU.FT.)						

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	4		10		6	2	2	
- NO. OF WET BOTTOM							2	
- NO. WITH FLY ASH REINJECTION								
- NO. WITH MECHANICAL PRECIPITATORS								
- NO. WITH ELECTROSTATIC PRECIPITATORS								
- NO. WITH COMBINATION PRECIPITATORS[4]							2	
- NO. WITH DESULFURIZATION SYSTEMS								
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]								
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	12.00 - 15.00		12.00	12.00 - 15.00	1..00	17.00 - 30.00		
TESTED, LOW - HIGH								
ESTIMATED, LOW - HIGH								
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH							99.80	
TESTED, LOW - HIGH							98.40 - 98.90	
EST., LOW - HIGH							98.40	
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH								
TESTED, LOW - HIGH								
ESTIMATED, LOW - HIGH								

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.75	.54	1.39	.22	.22	
SULFUR DIOXIDE (1,000 TONS)	28.82	17.36	64.55	11.38	10.01	
NITROGEN OXIDES (1,000 TONS)	9.86	7.13	18.29	2.87	2.02	
STACKS: - TOTAL NO.	6	11	7	1	2	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	190.00 - 221.60	160.00 - 191.00	155.00 - 259.00	249.00	150.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]			.20	.01		
TOTAL ASH: COLLECTED (1,000 TONS)[10]			.68	.06	17.70	
SOLD ((,000 TONS)[11]			.68	.06	8.70	
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000)[4]					500.00	
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)						
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF ASH ($1,000)					22.10	
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)					4.30	
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	91.48	1.90	144.21		22.10	
TOTAL BYPRODUCT SALES REVENUES ($1,000)					4.30	

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	B SALT WATER		B SALT WATER		B SALT WATER		B SALT WATER	R WHITEWATER	
AVERAGE RATE OF WITHDRAWAL (CFS)	680.10		1,216.00		1,345.00		504.00	1.78	
AVERAGE RATE OF DISCHARGE (CFS)	680.10		1,216.00		1,345.00		504.00	.75	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	5.85		10.46		11.57		4.33	1.03	
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUN	NOV	JUN	NOV	JUN	NOV	JUN	NOV	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	80.00	78.00	82.00	80.00	80.00	78.00	88.00	85.00	72.00 - 46.00
AT OUTFALL, SUMMER - WINTER	100.00	98.00	98.00	95.00	101.00	100.00	107.00	105.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER									6.80
- WINTER									
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	H		H		H		H		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		.59		1.90		1.75		.45	.03
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP				368.00		.05			22.50
LIME (TONS), COOLING WATER - BOILER MAKEUP									231.26
ALUM (TONS), COOLING WATER - BOILER MAKEUP									
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	.40		.40		.85		.20	7.72	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES	YES	YES		YES
SEWAGE DISPOSAL: METHOD RS, ST, SW, OT[18]								RS	
RECEIVING WATER BODY[19]									
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING									
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING									
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN									
- ASH SETTLING									

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)											
ONCE THROUGH COOLING (SALINE)	4	585.00	10	576.00	6	1,073.00	2	935.00			
COOLING POND(S)											
COOLING TOWER(S)									2	93.00	
COMBINATIONS[21]											
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1960	1970	1950	1969	1958	1973	1974	1975	1953	1972	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F): SMALLEST - LARGEST[22]		15.00		15.00		15.00		15.00		18.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)		1,005.60		1,306.00		1,345.40		1,008.00		153.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		1,005.60		1,306.00		1,345.40		1,008.00			

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)							
COOLING PONDS ($1,000)							
COOLING TOWERS ($1,000)						456.00	

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)					80.00	5.72	
COST OF CHEMICAL ADDITIVES ($1,000)	6.30	10.04	2.00		7.31	37.25	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)					194.00	10.82	
COST OF CHEMICAL ADDITIVES ($1,000)	1.50	211.98	8.00		17.91	11.96	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	ROCHESTER ELEC OERT	ROCHESTER GAS & ELECTRIC CORP.	ROCHESTER GAS & ELECTRIC CORP.	ROCHESTER GAS & ELECTRIC CORP.	RUSTON WTR & LT PLANT	1
2						2
3					MCDONALD/RUSTON	3
4 NAME OF PLANT	SILVER LAKE	ROCHESTER #3	ROCHESTER #7	ROCHESTER #13	427750-0100	4
5 UTILITY-PLANT CODE	421500-0300	422000-0500	422000-0700	422000-0800	LOUISIANA	5
6 STATE	MINNESOTA	NEW YORK	NEW YORK	NEW YORK	LINCOLN	6
7 COUNTY	OLMSTED	MONROE	MONROE	WAYNE		7
8 AIR QUALITY CONTROL REGION NO. 1/ - WATER RESOURCE REGION NO. 2/	128 07	160 04	160 04	160 04	022 11	8
9 PLANT CAPACITY (MW)	98.40	156.20	252.60	490.00	81.00	9
10 ANNUAL GENERATION (MWH) 3/	370,000	537,000	1,186,000	3,026,894	128,000	10
11 PLANT HEAT RATE (BTU/KWH) 3/	11,909	18,683	10,480		12,946	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)	117.00	177.73	496.53			12
13 AVERAGE HEAT CONTENT (BTU/LB)	12,285	12,406	12,406			13
14 AVERAGE SULFUR CONTENT (%)	1.96	1.84	2.03			14
15 AVERAGE ASH CONTENT (%)	7.46	11.02	11.18			15
16 AVERAGE MOISTURE CONTENT (%)	8.04	6.06	5.61		.96	16
17 OIL: CONSUMPTION (1,000 BARRELS)		900.41	8.43		131,250	17
18 AVERAGE HEAT CONTENT (BTU/GAL)		148,684	137,800		.10	18
19 AVERAGE SULFUR CONTENT (%)		1.83	.27		1,632.00	19
20 GAS: CONSUMPTION (1,000 MCF)	1,623.00				1,021	20
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,010					21

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	4	7	4		3	22
23 - NO. OF WET BOTTOM		1				23
24 - NO. WITH FLY ASH REINJECTION		6				24
25 - NO. WITH MECHANICAL PRECIPITATORS	3					25
26 - NO. WITH ELECTROSTATIC PRECIPITATORS	1	7	4			26
27 - NO. WITH COMBINATION PRECIPITATORS 4/						27
28 - NO. WITH DESULFURIZATION SYSTEMS						28
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER 5/	18.00 25.00	25.00	25.00		2.00	29
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	84.10 86.00					30
31 TESTED, LOW - HIGH						31
32 ESTIMATED, LOW - HIGH	82.00					32
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY 6/: DESIGN, LOW - HIGH	99.00	94.00 97.50	97.50			33
34 TESTED, LOW - HIGH	94.95	95.00	90.40 98.40			34
35 EST., LOW - HIGH	99.00	72.00 95.00	90.40 94.20			35
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37 TESTED, LOW - HIGH						37
38 ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS 7/: PARTICULATE MATTER (1,000 TONS)	.35	.67	2.37			39
40 SULFUR DIOXIDE (1,000 TONS)	4.45	11.94	19.76		.32	40
41 NITROGEN OXIDES (1,000 TONS)	1.34	4.65	4.49		3	41
42	3	3	2			42
43 STACKS: - TOTAL NO.	200.00 300.00	234.00 265.00	250.00		60.00	43
44 - HEIGHT (FEET), LOWEST - HIGHEST 8/						44
45 COMBUSTION CYCLE ADDITIVES (1,000 TONS) 9/	7.90	19.50	54.20			45
46 TOTAL ASH: COLLECTED (1,000 TONS) 10/			8.50			46
47 SOLD (1,000 TONS) 11/						47
48 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						48
49 EQUIVALENT OF ACID COLLECTED (1,000 TONS) 12/						49
50 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	18.70					50
51 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	192.30	718.40	712.50			51
52 ELECTROSTATIC PRECIPITATORS ($1,000)						52
53 COMBINATION PRECIPITATORS ($1,000) 4/						53
54 DESULFURIZATION SYSTEMS ($1,000)	189.00	188.20	291.20			54
55 STACKS ($1,000)	10.70	85.00	199.10			55
56 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)			17.00			56
57 REVENUES FROM SALE OF ASH ($1,000)						57
58 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						58
59 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	10.70	85.00	199.10			59
60 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) 13/			17.00			60
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	R ZUMBRO	R GENESEE	L ONTARIO	L ONTARIO	M	61
62 AVERAGE RATE OF WITHDRAWAL (CFS)	81.00	128.53	206.37	772.70	.25	62
63 AVERAGE RATE OF DISCHARGE (CFS)	81.00	127.34	206.37	772.70		63
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED 14/		1.11 1.14	1.77	6.65	.25	64
65 PEAK LOAD MONTH : SUMMER - WINTER 15/	JUL DEC	MAY APR	JUL DEC	JUL DEC	JUL JAN	65
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	98.00 50.00	74.00 54.00	80.00 46.00	79.00 48.00	88.00 82.00	66
67 AT OUTFALL, SUMMER - WINTER	118.00 75.00	91.00 66.00	102.00 69.00	94.00 65.00	104.00 94.00	67
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	60.00	157.04				68
69 - WINTER	90.00	156.89				69
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O 16/	C	C	C	C	H	70
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.32	7.43	.05		.03	71
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.10	13.19	.04	212.50	.02	72
73 LIME (TONS), COOLING WATER - BOILER MAKEUP	8.33	152.01				73
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP	.42					74
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP 17/	3.00	.25	72.22	230.50	5.00	75
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES YES	YES	YES	YES	YES YES	76
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT 18/	SW	PS	PS	ST		77
78 RECEIVING WATER BODY 19/	R ZUMBRO					78
79 POND DISCHARGE: RH, BOILER BLOWDOWN - ASH SETTLING		8.70	7.90			79
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		25.00	21.40			80
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING		14,600.00	86,900.00			81
82						82

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING 20: ONCE THROUGH COOLING (FRESH)	2 19.00	7 184.20	4 252.60	1 490.00		83
84 ONCE THROUGH COOLING (SALINE)						84
85 COOLING PONDS(S)						85
86 COOLING TOWER(S)					3 81.00	86
87 COMBINATIONS 21/	2 79.40					87
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1948 1969	1914 1959	1949 1957	1968	1963 1974	88
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST 22/	11.00 17.00	19.60 20.00	19.60	19.00	20.00	89
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	190.00	270.80	255.00	844.40	193.00	90
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	190.00	271.00	259.00	844.40		91

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)		349.70	1,587.00	6,983.00		92
93 COOLING PONDS ($1,000)						93
94 COOLING TOWERS ($1,000)	297.00				400.00	94

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)		143.00	162.30	247.30	14.00	95
96 COST OF CHEMICAL ADDITIVES ($1,000)	5.00	1.00	5.60	17.80	11.00	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)		156.00	55.30	91.20	8.00	97
98 COST OF CHEMICAL ADDITIVES ($1,000)	5.00	36.00	10.50	39.40	1.80	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	SACRAMENTO MUNICIPAL UTILITY DISTRICT	SALT R. PROJ. AGR IMPR PWR DIST	SALT R. PROJ. AGR IMPR PWR DIST	SALT R. PROJ. AGR IMPR PWR DIST	SALT R. PROJ. AGR IMPR PWR DIST	SALT R. PROJ. AGR IMPR PWR DIST
4 NAME OF PLANT	RANCHO SECO	AGUA FRIA #2	KYRENE	NAVAJO	SANTAN	
5 UTILITY-PLANT CODE	429000-0250	433000-0100	433000-0600	433000-0750	433000-0850	
6 STATE	CALIFORNIA	ARIZONA	ARIZONA	ARIZONA	ARIZONA	
7 COUNTY	SACRAMENTO	MARICOPA	MARICOPA	COCONINO	MARICOPA	
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	028 18	015 15	015 15	014 15	015 15	
9 PLANT CAPACITY (MW)	1,070.00	390.00	108.00	2,409.00	289.00	
10 ANNUAL GENERATION (MWH)[3]	2,472,600	974,100	76,100	7,166,400	706,500	
11 PLANT HEAT RATE (BTU/KWH)[3]	10,867	11,238	13,496	11,138	14,660	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)					3,591.00	
13 AVERAGE HEAT CONTENT (BTU/LB)					10,807	
14 AVERAGE SULFUR CONTENT (%)					.44	
15 AVERAGE ASH CONTENT (%)					8.71	
16 AVERAGE MOISTURE CONTENT (%)					12.91	
17 OIL: CONSUMPTION (1,000 BARRELS)		1,244.51	117.02	386.60	1,222.53	
18 AVERAGE HEAT CONTENT (BTU/GAL)		152,158	140,030	135,624	139,111	
19 AVERAGE SULFUR CONTENT (%)		.74	.75	.50	.34	
20 GAS: CONSUMPTION (1,000 MCF)		2,803.19	316.05			
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,078	1,068			

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.		3	2	3	4	
23 - NO. OF WET BOTTOM				3		
24 - NO. WITH FLY ASH REINJECTION						
25 - NO. WITH MECHANICAL PRECIPITATORS						
26 - NO. WITH ELECTROSTATIC PRECIPITATORS						
27 - NO. WITH COMBINATION PRECIPITATORS[4]				3		
28 - NO. WITH DESULFURIZATION SYSTEMS						
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]		7.00 10.00	13.00 15.00	16.00		
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
31 TESTED, LOW - HIGH						
32 ESTIMATED, LOW - HIGH						
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH						
34 TESTED, LOW - HIGH				99.50		
35 EST., LOW - HIGH				99.50		
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH				99.00		
37 TESTED, LOW - HIGH						
38 ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)		.14	.02	2.03	.21	
40 SULFUR DIOXIDE (),000 TONS)		2.18	.29	31.26	1.39	
41 NITROGEN OXIDES (1,000 TONS)		2.23	.32	54.24	2.70	
42 STACKS: - TOTAL NO.		6	2	3	4	
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	120.00 123.00	76.00 120.00		775.00	52.25 54.00	
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]				289.00		
45 TOTAL ASH: COLLECTED (),000 TONS)[10]				2.19		
46 SOLD (1,000 TONS)[11]						
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
48 EQUIVALENT OF ACID COLLECTED (),000 TONS)[12]						
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
51 ELECTROSTATIC PRECIPITATORS ($),000)				39,000.00		
52 COMBINATION PRECIPITATORS ($1,000)[4]						
53 DESULFURIZATION SYSTEMS ($1,000)						
54 STACKS ($1,000)		264.00	168.30	6,900.00		
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)				1,557.00		
56 REVENUES FROM SALE OF ASH ($1,000)						
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]				1,982.00		
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	R AMERICAN	DW CANAL	CANAL/ W	L PCWELL	W	
62 AVERAGE RATE OF WITHDRAWAL (CFS)	17.32	18.00	152.20		4.00	
63 AVERAGE RATE OF DISCHARGE (CFS)	6.55	7.00	148.10		3.97	
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	10.77	11.00	4.10		.03	
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	JUN DEC	JUL DEC	JUL DEC		JUL DEC	
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	86.00 75.00	87.00 87.00	77.00			
67 AT OUTFALL, SUMMER - WINTER		80.00 60.00	74.00			
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	6.98	5.00	450.00			
69 - WINTER	6.63	2.00				
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[15]	C	O				
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		18.55 .40	1.78 .10		3.00 .20	
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	35.36	.01	.02	147.61	158.96	
73 LIME (TONS), COOLING WATER - BOILER MAKEUP		20.57	4.27	2,850.00		
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP	34.60					
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	21.00	37.95	.25	10.00	10.00	
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[16]	YES YES	YES YES	YES YES	YES YES	YES YES	
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[16]	OT	ST		OT	ST	
78 [19] RECEIVING WATER BODY	C HAGSELVILLE			O EVAP POND		
79 POND DISCHARGE: [19] PH, BOILER BLOWDOWN - ASH SETTLING				9.00		
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING				100.00		
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN				35,426.00		
82 - ASH SETTLING						

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)						
84 ONCE THROUGH COOLING (SALINE)						
85 COOLING PONDS(S)						
86 COOLING TOWER(S)	1 913.00	3 390.00	2 108.00	3 2,409.00	4 414.00	
87 COMBINATIONS[21]						
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1971	1957 1961	1952 1954	1972 1975	1974	
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	29.00	13.20 23.20	21.00 23.60	26.50	20.00	
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,023.00	517.40	149.80	1,734.00	203.20	
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)			149.80			

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)			356.92			
93 COOLING PONDS ($1,000)						
94 COOLING TOWERS ($),000)	7,000.00	2,871.00	471.33	4,102,400.00	750.00	

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	40.30	79.31	18.90	1,087.00	50.43	
96 COST OF CHEMICAL ADDITIVES ($1,000)	2.40	35.20	6.40	814.00	10.25	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	155.90	69.62	27.70	691.00	62.84	
98 COST OF CHEMICAL ADDITIVES ($1,000)	10.00	4.90	4.00	24.00	28.74	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	SAN DIEGO GAS & ELECTRIC CO.	SAN DIEGO GAS & ELECTRIC CO.	SAN DIEGO GAS & ELECTRIC CO.	SAN DIEGO GAS & ELECTRIC CO.	SAVANNAH ELECTRIC & POWER CO.	
NAME OF PLANT	ENCINA	SILVER GATE	SOUTH BAY	STATION B	PORT WENTWORTH	
UTILITY-PLANT CODE	433500-0300	433500-0500	433500-0600	433500-0700	435500-0100	
STATE	CALIFORNIA	CALIFORNIA	CALIFORNIA	CALIFORNIA	GEORGIA	
COUNTY	SAN DIEGO	SAN DIEGO	SAN DIEGO	SAN DIEGO	CHATHAM	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	029 18	029 18	029 18	029 18	058 03	
PLANT CAPACITY (MW)	637.00	247.00	714.00	96.00	333.90	
ANNUAL GENERATION (MWH)[3]	3,462,700	127,000	3,305,500	13,000	1,657,800	
PLANT HEAT RATE (BTU/KWH)[3]	10,373	13,146	10,337	54,469	10,698	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)						
AVERAGE HEAT CONTENT (BTU/LB)						
AVERAGE SULFUR CONTENT (%)						
AVERAGE ASH CONTENT (%)						
AVERAGE MOISTURE CONTENT (%)						
OIL: CONSUMPTION (1,000 BARRELS)	5,420.00	148.00	4,088.00	61.00	1,888.90	
AVERAGE HEAT CONTENT (BTU/GAL)	146,192	142,728	147,763	137,744	148,438	
AVERAGE SULFUR CONTENT (%)	.35	.38	.34	.30	2.30	
GAS: CONSUMPTION (1,000 MCF)	2,619.00	742.00	8,654.00	337.00	0,199.30	
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,045	1,054	1,054	1,054	1,029	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	4	6	4	10	4	
- NO. OF WET BOTTOM					3	
- NO. WITH ELY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS					3	
- NO. WITH ELECTROSTATIC PRECIPITATORS						
- NO. WITH COMBINATION PRECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	7.00 18.00	15.00	5.00 9.00	10.00	10.00 20.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH					86.10 92.50	
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH					86.10 92.50	
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
EST., LOW - HIGH						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.91	.02	.69	.01	.16	
SULFUR DIOXIDE (1,000 TONS)	6.36	.19	4.06	.06	14.57	
NITROGEN OXIDES (1,000 TONS)	12.40	.47	10.70	.20	5.37	
STACKS: - TOTAL NO.	4	5	4	10	4	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	173.00 116.00	124.00	174.50	175.00	198.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]					.40	
TOTAL ASH: COLLECTED (1,000 TONS)[10]					.90	
SOLD (1,000 TONS)[11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)					161.40	
ELECTROSTATIC PRECIPITATORS ($1,000)						
COMBINATION PRECIPITATORS ($1,000)[4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	339.00	17.00	54.00	76.00	175.80	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)					46.00	
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]				4.30	49.00	
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	O PACIFIC OCEAN	B SAN DIEGO	B SAN DIEGO	B SAN DIEGO	R SAVANNAH	
AVERAGE RATE OF WITHDRAWAL (CFS)	692.00	49.00	791.00	12.00	210.69	
AVERAGE RATE OF DISCHARGE (CFS)	692.00	49.00	791.00	12.00	210.69	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]					1.81	
PEAK LOAD MONTH : SUMMER - WINTER[15]	5.95	.42	6.80	.10	AUG	OEC
MAX. TEMP. DUPING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	SEP JAN	SEP JAN	SEP JAN	SEP JAN	86.00	57.00
AT OUTFALL, SUMMER - WINTER	77.00 85.00	77.00 59.00	82.00 66.00	73.00 58.00	102.00	73.00
AVE. FLOW IN RECEIVING BODY DUPING PEAK MONTH (CFS): SUMMER	91.00 99.00	95.00 78.00	104.00 86.00	95.00 75.00	12,540.00	
- WINTER					12,540.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	C	C	C	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.08	.09	.30	2.80	.27	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.19 118.99	.05 .05	.42 328.67	.12	.03	
LIME (TONS), COOLING WATER - BOILER MAKEUP	5.41					
ALUM (TONS), COOLING WATER - BOILER MAKEUP					12.00	
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	16.00	21.00	162.00			
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES YES	YES YES	YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	PS	PS	PS	ST	
RECEIVING WATER BODY[19]					7.00	
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	9.00					
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	10.00					
VOLUME (1,000 CUBT/YR), BOILER BLOWDOWN - ASH SETTLING	5.00					

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	4 636.75	4 247.00	4 713.60	4 93.00	4 333.90	
ONCE THROUGH COOLING (SALINE)						
COOLING POND(S)						
COOLING TOWER(S)						
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1954 1972	1943 1952	1960 1971	1922 1937	1957 1972	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	15.71 21.90	16.00	14.00 18.30	17.50 17.80	15.00 18.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	735.70	332.70	866.30	270.90	401.00	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	745.60	332.70	922.80	270.90	358.00	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	7,398.00	1,253.00	2,565.00	1,126.00	2,215.70	
COOLING PONDS ($1,000)						
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	165.20	133.00	374.10	39.30	17.00	
COST OF CHEMICAL ADDITIVES ($1,000)	4.40	5.60	39.60		1.50	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	120.60	74.00	77.00	62.00	3.00	
COST OF CHEMICAL ADDITIVES ($1,000)	45.00	5.90	79.80	13.20	16.20	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	SAVANNAH ELECTRIC & POWER CO.	NEW ORLEANS SEWAGE & WTR BRD	SIERRA PACIFIC POWER CO.	SIERRA PACIFIC POWER CO.	SOUTH CAROLINA ELECTRIC & GAS CO.	
NAME OF PLANT	RIVERSIDE	POWER HOUSE	FORT CHURCHILL	TRACY	LANEYS	
UTILITY-PLANT CODE	435500-0200	439500-0100	443500-0400	443500-1200	447500-0400	
STATE	GEORGIA	LOUISIANA	NEVADA	NEVADA	SOUTH CAROLINA	
COUNTY	CHATHAM	ORLEANS	LYON	STOREY	COLLETON	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	058 03	106 08	148 16	148 16	058 03	
PLANT CAPACITY (MW)	102.30	41.00	220.00	240.00	489.60	
ANNUAL GENERATION (MWH)[3]	314,000	95,000	1,256,000	605,600	820,000	
PLANT HEAT RATE (BTU/KWH)[3]	11,373	18,801	10,249	10,982	11,459	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)					276.51	
AVERAGE HEAT CONTENT (BTU/LB)					11,852	
AVERAGE SULFUR CONTENT (%)					1.31	
AVERAGE ASH CONTENT (%)					13.33	
AVERAGE MOISTURE CONTENT (%)					6.54	
OIL: CONSUMPTION (1,000 BARRELS)	80.60		300.00	346.00	5.47	
AVERAGE HEAT CONTENT (BTU/GAL)	149,942		150,165	149,851	138,840	
AVERAGE SULFUR CONTENT (%)	2.30		.82	.82	.10	
GAS: CONSUMPTION (1,000 MCF)	3,585.20	1,683.02	10,503.00	4,223.00	2,014.55	
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,029	1,050	1,056	1,050	1,028	

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	6	6	2	3	3	
- NO. OF WET BOTTOM					3	
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS						
- NO. WITH ELECTROSTATIC PRECIPITATORS					3	
- NO. WITH COMBINATION PRECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00 35.00	20.00	7.00	10.00	22.50	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH					99.60	
TESTED, LOW - HIGH					79.00 89.00	
EST., LOW - HIGH					79.00 89.00	
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)			.05	.06	4.12	
SULFUR DIOXIDE (1,000 TONS)			.83	.95	7.16	
NITROGEN OXIDES (1,000 TONS)	.70	.33	2.71	1.54	4.55	
STACKS: - TOTAL NO.	5	2	2	3	3	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	175.00 254.00	168.00 200.00	162.00	200.00 300.00	200.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]					30.92	
SOLD (1,000 TONS)[11]						
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
ELECTROSTATIC PRECIPITATORS ($1,000)					719.41	
COMBINATION PRECIPITATORS ($1,000)[4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)	95.60		38.00	203.00	265.39	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)					52.50	
REVENUES FROM SALE OF ASH ($1,000)						
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]					53.50	
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	R SAVANNAH		M	R TRUCKEE	R EDISTO	
AVERAGE RATE OF WITHDRAWAL (CFS)	77.00		4.00	66.00	350.00	
AVERAGE RATE OF DISCHARGE (CFS)	77.00			58.50	347.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.66		4.00	1.50	3.00	
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC			JUL DEC	AUG DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	84.00 54.00			76.00 57.00	83.00 52.00	
AT OUTFALL, SUMMER - WINTER	98.00 60.00			80.50 56.00	92.00 62.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	12,540.00			1,022.00	2,421.00	
- WINTER	12,540.00			597.00	1,796.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C		H	H	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.14	3.51 .15	7.63 .35		.40	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.38	38.94	51.56		178.61	
LIME (TONS), COOLING WATER - BOILER MAKEUP						
ALUM (TONS), COOLING WATER - BOILER MAKEUP					24.95	
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	10.00	12.09	0.61		1.13	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES	YES	YES YES		YES	
SEWAGE DISPOSAL: METHOD RS, ST, SW, OT[18]	PS	PS ST	ST	ST	ST	
RECEIVING WATER BODY	R SAVANNAH					
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING					5.50	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING					30.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING					31,000.00	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		3 41.00		1 53.00		
ONCE THROUGH COOLING (SALINE)	5 102.31					
COOLING PONDS)			2 220.00	1 80.00		
COOLING TOWER(S)				1 110.00	1 217.60	
COMBINATIONS[21]					2 272.00	
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1926 1955		1968 1971	1965 1974	1962 1973	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	10.00 12.00	20.00	21.00	28.00 36.00	19.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	150.00	185.00	206.00	274.00	494.31	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	150.00			127.00	267.72	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	506.60			118.00	366.35	
COOLING PONDS ($1,000)				339.00	1,631.25	
COOLING TOWERS ($1,000)				350.00	1,517.20	

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	21.00				75.00	
COST OF CHEMICAL ADDITIVES ($1,000)	1.60		4.90	2.70		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	1.00				22.00	
COST OF CHEMICAL ADDITIVES ($1,000)	2.50		11.00	4.20	28.15	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	SOUTH CAROLINA ELECTRIC & GAS CO.	SOUTH CAROLINA ELECTRIC & GAS CO.	SOUTH CAROLINA ELECTRIC & GAS CO.	SOUTH CAROLINA ELECTRIC & GAS CO.	SOUTH CAROLINA ELECTRIC & GAS CO.	
NAME OF PLANT	HAGOOD	MCMEEKIN	URQUHART	WATEREE	WILLIAMS	
UTILITY-PLANT CODE	447500-0700	447500-0900	447500-1600	447500-1700	447500-1800	
STATE	SOUTH CAROLINA	SOUTH CAROLINA	SOUTH CAROLINA	SOUTH CAROLINA	SOUTH CAROLINA	
COUNTY	CHARLESTON	LEXINGTON	AIKEN	RICHLAND	BERKLEY	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	199 03	200 03	053 03	200 03	199 03	
PLANT CAPACITY (MW)	97.75	293.76	250.00	771.80	632.70	
ANNUAL GENERATION (MWH)[3]	137,000	1,356,500	1,248,800	3,236,200	2,726,400	
PLANT HEAT RATE (BTU/KWH)[3]	13,074	9,851	10,606	9,981	9,637	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)		317.59	427.82	1,285.72		
AVERAGE HEAT CONTENT (BTU/LB)		12,144	12,530	12,459		
AVERAGE SULFUR CONTENT (%)		1.16	1.33	1.53		
AVERAGE ASH CONTENT (%)		11.67	9.89	10.33		
AVERAGE MOISTURE CONTENT (%)		5.75	6.14	5.46		
OIL: CONSUMPTION (1,000 BARRELS)	74.06	1.70	.73	47.60	4,174.14	
AVERAGE HEAT CONTENT (BTU/GAL)	150,004	137,782	138,315	138,376	148,488	
AVERAGE SULFUR CONTENT (%)	2.02	.10	.30	.10	2.00	
GAS: CONSUMPTION (1,000 MCF)	1,288.53	5,486.60	2,450.45			
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,028	1,028	1,028			

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	3	2	3	2	1	
- NO. OF WET BOTTOM		2	3	2		
- NO. WITH FLY ASH REINJECTION					1	
- NO. WITH MECHANICAL PRECIPITATORS					1	
- NO. WITH ELECTROSTATIC PRECIPITATORS		2	3	2		
- NO. WITH COMBINATION PRECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00 15.00	22.50	22.50	20.00	15.00	
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH					65.00	
TESTED, LOW - HIGH					94.00	
ESTIMATED, LOW - HIGH					94.00	
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH		99.90	99.60	99.00		
TESTED, LOW - HIGH		89.00 94.00	83.00	90.00		
EST., LOW - HIGH		89.00 94.00	83.00	90.00		
LOW - HIGH						
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.01	2.07	4.68	8.63	.04	
SULFUR DIOXIDE (1,000 TONS)	.50	7.22	11.15	38.57	48.01	
NITROGEN OXIDES (1,000 TONS)	.41	5.84	6.90	19.39	9.20	
STACKS: - TOTAL NO.	2	2	3	2	1	
- HEIGHT (FEET), LOWEST - HIGHEST[8]	125.00	250.00	200.00	300.00	400.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]	.03	34.15	35.51	121.17	.49	
SOLD (1,000 TONS)[11]	.02		5.61		.28	
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)					354.80	
ELECTROSTATIC PRECIPITATORS ($1,000)		971.59	1,196.75	1,357.22		
COMBINATION PRECIPITATORS ($1,000)[4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)						
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	53.74	137.57	214.18	740.30	808.80	
REVENUES FROM SALE OF ASH ($1,000)	1.14	31.50	22.28	280.60	60.07	
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	.80		5.61	21.98		
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	1.14	31.50	22.28	280.60	60.07	
TOTAL BYPRODUCT SALES REVENUES ($1,000)	.80		5.61	21.98	30.83	

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	P ASHLEY	L MURRAY	R SAVANNAH	P WATEREE	P BACK	
AVERAGE RATE OF WITHDRAWAL (CFS)	210.67	252.00	294.00	757.68	514.67	
AVERAGE RATE OF DISCHARGE (CFS)	208.86	250.00	292.50	751.10	510.24	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.81 1.81	2.17 2.00	2.53 2.50	6.52	4.43	
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC	AUG DEC	AUG DEC	AUG DEC	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	78.80 53.00	60.00 60.00	77.00 62.00	79.40 58.90	86.00 56.80	
AT OUTFALL, SUMMER - WINTER	93.20 57.00	77.00 78.00	94.00 79.00	94.00 73.00	94.00 71.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER			8,736.00	53.80		
- WINTER			11,632.00	9,560.00		
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	H	C	C	C	C	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.22		.08	.05		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	4.75	43.90		1,097.25	554.53	
LIME (TONS), COOLING WATER - BOILER MAKEUP				.20		
ALUM (TONS), COOLING WATER - BOILER MAKEUP		15.90	57.50	60.40	22.50	
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP			10.00	1.88	1.73	
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES YES	YES YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT	ST	ST	OT	OT	
RECEIVING WATER BODY[19]	R ASHLEY			P WATEREE	P COOPER	
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		6.00		6.70	3.80	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		30.00		30.00	24.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING		6,620.00		84,326.40	42,450.00	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		2 293.60	3 250.00			
ONCE THROUGH COOLING (SALINE)	3 97.74					
COOLING POND(S)				2 711.60	1 565.00	
COOLING TOWER(S)						
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1947 1951	1958	1953 1955	1970 1971	1973	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	19.00	20.00	24.00 20.00	18.00	15.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	201.32	252.00	290.70	664.00	716.26	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	201.30	252.00	294.40	758.00		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	37.00	140.12	182.36	750.53	
COOLING PONDS ($1,000)		20,000.00			
COOLING TOWERS ($1,000)				2,972.80	1,787.42

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	5.29		2.83	17.00	11.62
COST OF CHEMICAL ADDITIVES ($1,000)			7.77	5.92	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	6.37		19.81	23.00	18.78
COST OF CHEMICAL ADDITIVES ($1,000)		9.64	16.54	136.61	61.70

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	SOUTH CAROLINA PUBLIC SERVICE AUTH.	SOUTH CAROLINA PUBLIC SERVICE AUTH.	SOUTH CAROLINA PUBLIC SERVICE AUTH.	SOUTH MISSISSIPPI ELEC PWR ASSOC	SOUTH TEXAS ELECTRIC COOP	1
2						2
3	WINYAH	GRAINGER	JEFFERIES	MOSELLE	SAM RAYBURN	3
4 NAME OF PLANT	448000-0075	448000-0100	448000-0200	448300-0100	450000-0500	4
5 UTILITY-PLANT CODE	SOUTH CAROLINA	SOUTH CAROLINA	SOUTH CAROLINA	MISSISSIPPI	TEXAS	5
6 STATE	GEORGETOWN	HORRY	BERKELEY	JONES	VICTORIA	6
7 COUNTY	204 03	204 03	199 03	005 03	214 12	7
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	315.00	163.20	345.60	177.00	25.00	8
9 PLANT CAPACITY (MW)	1,302,000	522,000	1,459,000	514,000	177,800	9
10 ANNUAL GENERATION (MWH)[3]	9,622	10,192	10,106	12,182	12,438	10
11 PLANT HEAT RATE (BTU/KWH)[3]						11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)	555.40	223.20	625.70			12
13 AVERAGE HEAT CONTENT (BTU/LB)	11,278	11,923	11,553			13
14 AVERAGE SULFUR CONTENT (%)	1.21	1.52	1.11			14
15 AVERAGE ASH CONTENT (%)	14.63	11.69	13.74			15
16 AVERAGE MOISTURE CONTENT (%)	7.71	7.49	7.32			16
17 OIL: CONSUMPTION (1,000 BARRELS)			33.80	590.30		17
18 AVERAGE HEAT CONTENT (BTU/GAL)			146,832	145,490		18
19 AVERAGE SULFUR CONTENT (%)			1.55	2.32		19
20 GAS: CONSUMPTION (1,000 MCF)				2,661.10	2,226.04	20
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)				1,000	995	21

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	1	2	4	3	1	22
23 - NO. OF WET BOTTOM						23
24 - NO. WITH FLY ASH REINJECTION						24
25 - NO. WITH MECHANICAL PRECIPITATORS			2			25
26 - NO. WITH ELECTROSTATIC PRECIPITATORS	1	2	2			26
27 - NO. WITH COMBINATION PRECIPITATORS[4]						27
28 - NO. WITH DESULFURIZATION SYSTEMS						28
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00	23.00	13.00 23.00	8.00	10.00	29
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			85.00			30
31 TESTED, LOW - HIGH						31
32 ESTIMATED, LOW - HIGH						32
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	99.30	98.00	95.00			33
34 TESTED, LOW - HIGH	99.30	98.50				34
35 EST., LOW - HIGH			93.60			35
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37 TESTED, LOW - HIGH						37
38 ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.48	.33	4.68	.10		39
40 SULFUR DIOXIDE (1,000 TONS)	13.17	6.65	13.79	4.59		40
41 NITROGEN OXIDES (1,000 TONS)	5.00	2.01	5.70	1.82	.43	41
42 STACKS: - TOTAL NO.	1	2	6	3	1	42
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	404.00	300.00	175.00 300.00	100.00	75.00	43
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]	81.00	25.40	81.50			45
46 SOLD (1,000 TONS)[11]			14.76			46
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			52.00			50
51 ELECTROSTATIC PRECIPITATORS ($1,000)	1,298.00	1,200.00	354.00			51
52 COMBINATION PRECIPITATORS ($1,000)[4]						52
53 DESULFURIZATION SYSTEMS ($1,000)						53
54 STACKS ($1,000)	860.80	338.00	632.00		10.70	54
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	200.10	26.10	39.34			55
56 REVENUES FROM SALE OF ASH ($1,000)			21.57			56
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	200.10	26.10	39.34			59
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)			21.57			60

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	R NORTH SANTEE	R WACCAMAW	R COOPER	W	R GUADALUPE	61
62 AVERAGE RATE OF WITHDRAWAL (CFS)	3.00	105.00	275.00	3.23	50.17	62
63 AVERAGE RATE OF DISCHARGE (CFS)		105.00	275.00	1.14	50.17	63
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	3.00		2.37	2.09		64
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	DEC	AUG DEC	AUG DEC	AUG JAN	AUG JAN	65
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	84.00 51.30	83.00 53.00	87.00 58.00	88.00 68.00	87.30 68.20	66
67 AT OUTFALL, SUMMER - WINTER		87.00 54.00	108.00 77.00	97.00 80.00	99.00 88.50	67
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	652.00	699.00	17,497.00		2,268.00	68
69 - WINTER	515.00	622.00	18,786.00		2,100.00	69
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	H	H	H	C	C	70
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		.13	.03	1.10	.02	71
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	80.00	80.00	32.50	.03	.03	72
73 LIME (TONS), COOLING WATER - BOILER MAKEUP						73
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP	9.00		4.50			74
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP		10.00		3.83		75
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES YES	YES	76
77 SEWAGE DISPOSAL: METHODS, ST, SW, OT[18]	OT	PS	OT	OT	ST	77
78 [19] RECEIVING WATER BODY			R COOPER	R LEAF		78
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		6.50	7.90		9.00	79
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		53.70			378.30	80
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING		46,000.00	6,901.00		136.43	81
82						82

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)			4 445.60			83
84 ONCE THROUGH COOLING (SALINE)						84
85 COOLING POND(S)	1 315.00					85
86 COOLING TOWER(S)				3 177.00		86
87 COMBINATIONS[21]		2 163.20			1 25.00	87
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1974	1966	1953 1970	1969	1974	88
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	13.30	19.00	13.00 18.00	13.00	12.53	89
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	437.80	180.00	550.00	280.80	50.40	90
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		194.00	550.00		52.60	91

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)		1,132.20	1,305.00		288.20	92
93 COOLING PONDS ($1,000)	2,800.00	300.00				93
94 COOLING TOWERS ($1,000)				521.00		94

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	5.40	28.90	9.60		22.71	95
96 COST OF CHEMICAL ADDITIVES ($1,000)		3.20		19.10		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	21.50	11.50	18.60		8.62	97
98 COST OF CHEMICAL ADDITIVES ($1,000)	16.89	6.90	65.30	3.30	.97	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	SOUTHERN CALIFORNIA EDISON CO.	SOUTHERN CALIFORNIA EDISON CO.	SOUTHERN CALIFORNIA EDISON CO.	SOUTHERN CALIFORNIA EDISON CO.	SOUTHERN CALIFORNIA EDISON CO.	1
2						2
3						3
4 NAME OF PLANT	ALAMITOS	COOL WATER	EL SEGUNDO	ETIWANDA	HIGHGROVE	4
5 UTILITY-PLANT CODE	450500-0100	450500-1400	450500-1500	450500-1600	450500-2000	5
6 STATE	CALIFORNIA	CALIFORNIA	CALIFORNIA	CALIFORNIA	CALIFORNIA	6
7 COUNTY	LOS ANGELES	SAN BERNARDINO	LOS ANGELES	SAN BERNARDINO	SAN BERNARDINO	7
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	D24 18	033 18	024 18	D24 18	D24 18	8
9 PLANT CAPACITY (MW)	1,982.40	146.00	1,020.00	911.00	169.00	9
10 ANNUAL GENERATION (MWH)[3]	7,464,800	1,040,100	3,688,300	3,212,200	40,000	10
11 PLANT HEAT RATE (BTU/KWH)[3]	9,842	10,184	9,922	10,056	19,062	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)						12
13 AVERAGE HEAT CONTENT (BTU/LB)						13
14 AVERAGE SULFUR CONTENT (%)						14
15 AVERAGE ASH CONTENT (%)						15
16 AVERAGE MOISTURE CONTENT (%)						16
17 OIL: CONSUMPTION (1,000 BARRELS)	10,263.00	99.50	5,579.20	3,716.70	65.90	17
18 AVERAGE HEAT CONTENT (BTU/GAL)	145,441	146,346	146,106	145,386	147,648	18
19 AVERAGE SULFUR CONTENT (%)	.41	.43	.41	.40	.45	19
20 GAS: CONSUMPTION (1,000 MCF)	10,202.00	9,207.20	4,320.53	8,891.80	227.00	20
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,045	1,084	1,048	1,050	1,055	21

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	6	2	4	4	4	22
23 - NO. OF WET BOTTOM						23
24 - NO. WITH FLY ASH REINJECTION						24
25 - NO. WITH MECHANICAL PRECIPITATORS	1					25
26 - NO. WITH ELECTROSTATIC PRECIPITATORS						26
27 - NO. WITH COMBINATION PRECIPITATORS[4]						27
28 - NO. WITH DESULFURIZATION SYSTEMS						28
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00 13.00	5.00	10.00	10.00 16.00	17.00	29
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	99.50					30
31 TESTED, LOW - HIGH						31
32 ESTIMATED, LOW - HIGH						32
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH						33
34 TESTED, LOW - HIGH						34
35 EST., LOW - HIGH						35
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37 TESTED, LOW - HIGH						37
38 ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	1.44	.02	.94	.62	.01	39
40 SULFUR DIOXIDE (1,000 TONS)	14.12	.14	7.67	4.99	.10	40
41 NITROGEN OXIDES (1,000 TONS)	24.62	2.01	13.14	9.93	.19	41
42 STACKS: - TOTAL NO.	6	2	4	4	4	42
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	200.00 201.50	134.00 146.00	200.00	176.00 199.00	70.00 99.00	43
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]						45
46 SOLD (1,000 TONS)[11]						46
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	1,600.00					50
51 ELECTROSTATIC PRECIPITATORS ($1,000)						51
52 COMBINATION PRECIPITATORS ($1,000)[4]						52
53 DESULFURIZATION SYSTEMS ($1,000)						53
54 STACKS ($1,000)	479.90	11.60	223.80	214.00	62.00	54
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)						55
56 REVENUES FROM SALE OF ASH ($1,000)						56
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	106.00	6.00	46.05	54.24	8.17	59
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)						60

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	O PACIFIC OCEAN	W	O PACIFIC OCEAN	O MWD AQUEDUCT	W	61
62 AVERAGE RATE OF WITHDRAWAL (CFS)	1,910.00	4.00	888.00	8.01	.31	62
63 AVERAGE RATE OF DISCHARGE (CFS)	1,910.00	1.00	888.00	1.40	.11	63
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	16.43	3.00	7.64	7.22	.20	64
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC	AUG DEC	AUG DEC	AUG DEC	65
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	74.00 62.00		68.00 61.00			66
67 AT OUTFALL, SUMMER - WINTER			90.00 83.00		92.00 82.00	67
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	TIDAL		TIDAL			68
69 - WINTER	TIDAL		TIDAL			69
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, O,[16]	C		C	O	O	70
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.65	.05	.36	.13	4.51 .15	71
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		109.88	.05	.01	.31	72
73 LIME (TONS), COOLING WATER - BOILER MAKEUP						73
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP						74
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	800.88	4.60	50.14	60.00	8.10	75
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES YES	YES	YES YES	YES YES	76
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	ST	ST	ST	ST	77
78 [19] RECEIVING WATER BODY			O PACIFIC OCEAN			78
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	9.00		9.50			79
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	250.00					80
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING	1,220.00		460.00			81

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)						83
84 ONCE THROUGH COOLING (SALINE)	6 1,982.40		4 1,020.00			84
85 COOLING POND(S)						85
86 COOLING TOWER(S)		2 146.88		4 911.00	4 169.00	86
87 COMBINATIONS[21]						87
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1956 1966	1961 1964	1954 1963	1953 1963	1952 1955	88
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	18.20 23.00	14.00	21.70 23.65	19.00 21.00	15.50	89
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,910.60	191.40	888.00	870.00	206.00	90
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,910.60		888.00			91

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)	4,693.00		563.40			92
93 COOLING PONDS ($1,000)						93
94 COOLING TOWERS ($1,000)		641.80		1,592.00	866.00	94

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	143.00	67.00	69.38	580.00	7.70	95
96 COST OF CHEMICAL ADDITIVES ($1,000)	68.00	66.00	43.89	71.30	12.60	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	32.00		38.10	26.00	21.50	97
98 COST OF CHEMICAL ADDITIVES ($1,000)	182.00	24.00	8.57	15.40	19.20	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	SOUTHERN CALIFORNIA EDISON CO.	SOUTHERN CALIFORNIA EDISON CO.	SOUTHERN CALIFORNIA EDISON CO.	SOUTHERN CALIFORNIA EDISON CO.	SOUTHERN CALIFORNIA EDISON CO.	1
2							2
3							3
4	NAME OF PLANT	HUNTINGTON BEACH	LONG BEACH	MANDALAY	REDONDO	SAN BERNARDINO	4
5	UTILITY-PLANT CODE	450500-2100	450500-2700	450500-3100	450500-3900	450500-4100	5
6	STATE	CALIFORNIA	CALIFORNIA	CALIFORNIA	CALIFORNIA	CALIFORNIA	6
7	COUNTY	ORANGE	LOS ANGELES	VENTURA	LOS ANGELES	SAN BERNARDINO	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	024 18	024 18	024 18	024 18	024 18	8
9	PLANT CAPACITY (MW)	870.40	180.00	435.20	1,579.45	130.56	9
10	ANNUAL GENERATION (MWH)[3]	3,055,100		1,908,500	5,120,600	623,700	10
11	PLANT HEAT RATE (BTU/KWH)[4]	9,815		9,708	10,909	10,937	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)							12
13	AVERAGE HEAT CONTENT (BTU/LB)							13
14	AVERAGE SULFUR CONTENT (%)							14
15	AVERAGE ASH CONTENT (%)							15
16	AVERAGE MOISTURE CONTENT (%)							16
17	OIL: CONSUMPTION (1,000 BARRELS)	4,235.00		2,402.00	5,092.45	451.60		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	144,897		146,238	146,058	145,537		18
19	AVERAGE SULFUR CONTENT (%)	.40		.44	.32	.39		19
20	GAS: CONSUMPTION (1,000 MCF)	9,525.00		4,067.00	17,456.17	3,563.70		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,043		1,050	1,051	1,053		21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	4	7	2	11	4		22
23	- NO. OF WET BOTTOM							23
24	- NO. WITH FLY ASH REINJECTION							24
25	- NO. WITH MECHANICAL PRECIPITATORS							25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS							26
27	- NO. WITH COMBINATION PRECIPITATORS[4]							27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	15.00	15.00	4.00	10.00 12.50	4.75		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH							32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH							33
34	TESTED, LOW - HIGH							34
35	EST., LOW - HIGH							35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.71		.40	.96	.08		39
40	SULFUR DIOXIDE (1,000 TONS)	5.68		3.55	6.11	.54		40
41	NITROGEN OXIDES (1,000 TONS)	11.20		6.09	15.96	1.69		41
42	STACKS: - TOTAL NO.	2	4	1	8	2		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	203.00	247.50	200.00	200.00	130.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]							45
46	SOLD (1,000 TONS)[11]							46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							50
51	ELECTROSTATIC PRECIPITATORS ($1,000)							51
52	COMBINATION PRECIPITATORS ($1,000)							52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	169.40	98.60	92.00	319.28	10.66		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)							55
56	REVENUES FROM SALE OF ASH ($1,000)							56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	41.60		23.37	54.67	10.70		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	O PACIFIC OCEAN	U PACIFIC	O PACIFIC OCEAN	O PACIFIC OCEAN	*		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	707.00 16.80		392.00	1,735.00	2.76		62
63	AVERAGE RATE OF DISCHARGE (CFS)	707.00 16.80		392.00	1,735.00	1.52		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	6.08 .14		3.37	14.92	1.24		64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC			AUG OEC	AUG DEC		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	79.30 68.10		70.00 56.00	70.00 60.00			66
67	AT OUTFALL, SUMMER - WINTER	93.50 79.70		91.00 76.00	90.00 86.00	90.00 52.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	TIDAL	UNLIMITED	TIDAL				68
69	- WINTER	TIDAL	UNLIMITED	TIDAL				69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	C	H	C	C	O		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.14 .01		.39	.13	30.97 .04		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.01		.08	.25			72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP							73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP							74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	79.88		16.76		7.40		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES	YES YES	YES YES	YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	ST/OT	ST	PS	ST		77
78	RECEIVING WATER BODY[19]							78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING							79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING				7.00			80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING							81
82								82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)							83
84	ONCE THROUGH COOLING (SALINE)	4 870.40	2 180.00	2 435.20	6 1,579.45			84
85	COOLING PONDS)							85
86	COOLING TOWERS)					2 132.00		86
87	COMBINATIONS[21]							87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1958 1960	1951	1959	1948 1967	1957 1958		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	23.00 24.00	20.00	23.00	20.00 22.00	16.10		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	755.00	712.00	384.00	1,735.20	173.00		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	755.00	712.00	394.00	1,735.00			91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	703.00		1,216.00	8,164.00			92
93	COOLING PONDS ($1,000)							93
94	COOLING TOWERS ($1,000)					369.00		94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	39.60	8.92	18.50	75.22	12.30		95
96	COST OF CHEMICAL ADDITIVES ($1,000)	9.60		9.14	25.71	62.50		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	188.20	14.80	43.32	322.75	30.80		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	68.40	1.67	20.85	5.35	6.30		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	SOUTHERN CALIFORNIA EDISON CO.	SOUTHERN CALIFORNIA EDISON CO.	SOUTHERN CALIFORNIA EDISON CO.	SOUTHERN ILLINOIS POWER COMP.	SOUTHERN INDIANA G. E. CO.	
4	NAME OF PLANT	SAN ONOFRE	MOHAVE	ORMOND BEACH	MARION	CULLEY	
5	UTILITY-PLANT CODE	450500-4300	450500-4500	450500-4700	451500-0100	452000-0100	
6	STATE	CALIFORNIA	NEVADA	CALIFORNIA	ILLINOIS	INDIANA	
7	COUNTY	SAN DIEGO	CLARK	VENTURA	WILLIAMSON	WARRICK	
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	029 18	013 16	024 18	074 05	077 05	
9	PLANT CAPACITY (MW)	450.00	1,636.20	1,612.80	99.00	414.93	
10	ANNUAL GENERATION (MWH)[3]	3,217,900	6,368,700	5,617,300	566,400	2,400,100	
11	PLANT HEAT RATE (BTU/KWH)[3]	10,641	15,769	9,576	12,347	12,388	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)		3,907.57		341.18	1,184.10	
13	AVERAGE HEAT CONTENT (BTU/LB)		12,289		10,240	10,535	
14	AVERAGE SULFUR CONTENT (%)		.41		3.88	3.70	
15	AVERAGE ASH CONTENT (%)		9.73		16.28	12.19	
16	AVERAGE MOISTURE CONTENT (%)		12.71		11.30	14.73	
17	OIL: CONSUMPTION (1,000 BARRELS)			8,656.00	1.02	.80	
18	AVERAGE HEAT CONTENT (BTU/GAL)			145,926	138,887	137,500	
19	AVERAGE SULFUR CONTENT (%)			.41	.56	.10	
20	GAS: CONSUMPTION (1,000 MCF)		3,739.29	822.00		3.20	
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,082	1,075		1,012	

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.		2	2	3	3	
23	- NO. OF WET BOTTOM				3		
24	- NO. WITH FLY ASH REINJECTION						
25	- NO. WITH MECHANICAL PRECIPITATORS						
26	- NO. WITH ELECTROSTATIC PRECIPITATORS		2			2	
27	- NO. WITH COMBINATION PRECIPITATORS[4]				3	1	
28	- NO. WITH DESULFURIZATION SYSTEMS						
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]		18.00	10.00	10.00	20.00 26.00	
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						
31	TESTED, LOW - HIGH						
32	ESTIMATED, LOW - HIGH						
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH		98.60		96.00	97.60 99.28	
34	TESTED, LOW - HIGH	96.70 99.10			98.70 99.50		
35	EST., LOW - HIGH					98.00 99.00	
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
37	TESTED, LOW - HIGH						
38	ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)		6.40	1.45	.05	3.72	
40	SULFUR DIOXIDE (1,000 TONS)		31.40	11.91	25.95	85.87	
41	NITROGEN OXIDES (1,000 TONS)		35.90	19.25	9.38	10.66	
42	STACKS: - TOTAL NO.		1	2	2	3	
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]		500.00	237.00	210.00	249.00 459.50	
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]		407.57		55.58	132.80	
46	SOLD (1,000 TONS)[11]		27.05				
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						
51	ELECTROSTATIC PRECIPITATORS ($1,000)		4,634.00			3,146.00	
52	COMBINATION PRECIPITATORS ($1,000)[4]				2,334.24	733.00	
53	DESULFURIZATION SYSTEMS ($1,000)						
54	STACKS ($1,000)		698.00	474.00	89.82	589.00	
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		407.57		83.20	90.00	
56	REVENUES FROM SALE OF ASH ($1,000)		142.34				
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		1,450.04	57.66	2,417.43	90.00	
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)		142.34				

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	O PACIFIC OCEAN	R COLORADO	C PACIFIC	C FOUR CREEKS	R OHIO	
62	AVERAGE RATE OF WITHDRAWAL (CFS)	793.27	19.92	1,060.00	161.10	440.00	
63	AVERAGE RATE OF DISCHARGE (CFS)	793.00		1,060.00	157.00	440.00	
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	6.82 .27	19.92	9.12	4.10	3.78	
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC		SEP DEC	SEP DEC	
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	70.00 61.00		67.10 60.10	80.00 45.00	81.00 47.00	
67	AT OUTFALL, SUMMER - WINTER	90.00 81.00		91.40 86.20	95.00 60.00	100.00 68.00	
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	TIDAL		TIDAL	164.00	99,000.00	
69	- WINTER	TIDAL		TIDAL	155.00	160,000.00	
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, D[16]	C		C	C	C	
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.05			.02	.08	
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.01		338.35	.43	82.54	
73	LIME (TONS), COOLING WATER - BOILER MAKEUP				1.07		
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP				2.14		
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	11.08		216.00	4.00 .32	4.00	
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES		YES	YES	YES	
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	OT		ST	OT	
78	[19] RECEIVING WATER BODY	O PACIFIC			C SALINE	R OHIO	
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING				6.00 6.00	11.20	
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING				13.00 13.00	90.00	
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING				975.94 15,794.10	650.00	

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)					3 414.93	
84	ONCE THROUGH COOLING (SALINE)	1 450.00		2 1,612.80			
85	COOLING POND(S)				3 99.00		
86	COOLING TOWER(S)		2 1,436.20				
87	COMBINATIONS[21]						
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1966	1970	1971	1960	1955 1973	
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	18.00	25.40	30.00	11.60	13.30 20.30	
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	793.00	1,204.00	1,060.00	180.00	513.59	
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	793.00		1,060.00		594.49	

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	6,847.00		5,448.00		688.00	
93	COOLING PONDS ($1,000)				3.12		
94	COOLING TOWERS ($1,000)		4,033.00				

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	108.29	646.80	32.07	32.34	15.00	
96	COST OF CHEMICAL ADDITIVES ($1,000)	13.45	683.57	18.14	.72	2.90	

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	505.52	452.89	364.88	95.70	18.00	
98	COST OF CHEMICAL ADDITIVES ($1,000)	2.44	136.53	152.74	3.48	31.60	

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	SOUTHERN INDIANA G. E. CO.	SOUTHERN INDIANA G. E. CO.	SOUTH TEXAS ELECTRIC COOP	SOUTHWEST PUBLIC SERVICE CO.	SOUTHWEST PUBLIC SERVICE CO.	1
2							2
3							3
4	NAME OF PLANT	OHIO RIVER	WARRICK	MAYBURN	CARLSBAD	CUNNINGHAM	4
5	UTILITY-PLANT CODE	452000-0300	452000-0500	452500-0100	453000-0200	453000-0400	5
6	STATE	INDIANA	INDIANA	TEXAS	NEW MEXICO	NEW MEXICO	6
7	COUNTY	VANDERBURGH	WARRICK	VICTORIA	EDDY	LEA	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	077 05	077 05	214 12	155 15	155 13	8
9	PLANT CAPACITY (MW)	121.50	731.00	25.00	44.30	265.40	9
10	ANNUAL GENERATION (MWH)[3]	22,700	4,259,034	178,000	275,000	1,970,460	10
11	PLANT HEAT RATE (BTU/KWH)[3]	10,996	10,820	14,459	13,838	12,367	11
	AIR QUALITY CONTROL DATA						
	FUEL CONSUMPTION DATA (ANNUAL)						
12	COAL: CONSUMPTION (1,000 TONS)		2,181.10				12
13	AVERAGE HEAT CONTENT (BTU/LB)		10,557				13
14	AVERAGE SULFUR CONTENT (%)		3.48				14
15	AVERAGE ASH CONTENT (%)		12.76				15
16	AVERAGE MOISTURE CONTENT (%)		13.76				16
17	OIL: CONSUMPTION (1,000 BARRELS)	57.90	3.40		.03		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	144,240	140,000		138,000		18
19	AVERAGE SULFUR CONTENT (%)	.50	.10		.46		19
20	GAS: CONSUMPTION (1,000 MCF)	34.70	11.20	2,226.04	3,817.00	20,030.00	20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,010	1,000	995	1,000	1,000	21
	PLANT EQUIPMENT DATA						
22	BOILERS: - TOTAL NO.	8	4	1	5	2	22
23	- NO. OF WET BOTTOM						23
24	- NO. WITH FLY ASH REINJECTION						24
25	- NO. WITH MECHANICAL PRECIPITATORS	4	1				25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS		3				26
27	- NO. WITH COMBINATION PRECIPITATORS[4]						27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	5.00 6.00	18.00 20.00	10.00	10.00	10.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	76.00	84.00				30
31	TESTED, LOW - HIGH						31
32	ESTIMATED, LOW - HIGH	80.00					32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH		98.00				33
34	TESTED, LOW - HIGH		88.00 98.60				34
35	EST., LOW - HIGH						35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38
	PLANT OPERATING DATA AND COST OF EQUIPMENT						
39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)		11.13				39
40	SULFUR DIOXIDE (1,000 TONS)	.10	148.77				40
41	NITROGEN OXIDES (1,000 TONS)	.13	19.64	.43	.74	3.91	41
42	STACKS: - TOTAL NO.	3	3	1	5	2	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	250.00 400.00	499.50	75.00	53.00 136.00	146.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]		274.10				45
46	SOLD (1,000 TONS)[11]						46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	39.00	94.00				50
51	ELECTROSTATIC PRECIPITATORS ($1,000)		4,010.00				51
52	COMBINATION PRECIPITATORS ($1,000)[4]						52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)	153.00	1,544.00	16.70	9.35	36.60	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		400.00				55
56	REVENUES FROM SALE OF ASH ($1,000)						56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		400.00				59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)						60
	WATER QUALITY CONTROL DATA						
61	COOLING WATER: SOURCE	R OHIO	R OHIO	R GUADALUPE	R PECOS	W	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	50.00	728.00	50.17	82.00	5.15	62
63	AVERAGE RATE OF DISCHARGE (CFS)	50.00	728.00	50.17	81.60	1.03	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.43	6.26		.40	4.12	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	SEP DEC	AUG MAR	AUG JAN	JUL FEB		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	81.00 47.00	87.00 53.00	87.30 68.20	85.00 54.00		66
67	AT OUTFALL, SUMMER - WINTER	97.00 47.00	109.00 79.00	99.00 88.50	90.00 58.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	99,000.00	35,000.00	2,268.00	252.00		68
69	- WINTER	160,000.00	350,000.00	2,100.00	82.90		69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	C	C	C	C		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.40		.02	1.11	.37	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.02		.03	.13	.06	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	.50				7.53	73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP						74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	.50	48.00		.93	6.75	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES		YES	YES	YES YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	OT	ST	PS	ST	77
78	[19] RECEIVING WATER BODY		R OHIO				78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	11.00	11.30				79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	500.00	30.00				80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	.50					81
82	- ASH SETTLING		204,000.00				82
	COOLING FACILITY DATA						
83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	7 121.50	4 731.00				83
84	ONCE THROUGH COOLING (SALINE)						84
85	COOLING PONDS[5]						85
86	COOLING TOWERS[5]					2 265.40	86
87	COMBINATIONS[21]			1 25.00	3 44.30		87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1928 1950	1958 1970	1965	1946 1952	1957 1965	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	15.00	17.40 23.00	12.53	12.00 13.00	15.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	686.00	755.00	50.40	131.50	355.50	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	345.00	755.00	52.60			91
	CAPITAL COSTS OF COOLING FACILITIES						
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	154.00	3,821.00	288.20			92
93	COOLING PONDS ($1,000)						93
94	COOLING TOWERS ($1,000)				396.60	1,421.40	94
	ANNUAL COOLING WATER EXPENSES						
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	5.00	55.00	22.71	35.80	109.10	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	.10	10.00		.30	25.00	96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES						
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	1.50		8.62	24.20	15.00	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	.20		.97	2.20	4.80	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	SOUTHWEST PUBLIC SERVICE CO.	SOUTHWEST PUBLIC SERVICE CO.	SOUTHWEST PUBLIC SERVICE CO.	SOUTHWEST PUBLIC SERVICE CO.	SOUTHWEST PUBLIC SERVICE CO.	1
2						2
3						3
4 NAME OF PLANT	DENVER CITY	EAST PLANT	MOORE	NICHOLS	PLANT X	4
5 UTILITY-PLANT CODE	453000-0500	453000-0600	453000-1000	453000-1100	453000-1300	5
6 STATE	TEXAS	TEXAS	TEXAS	TEXAS	TEXAS	6
7 COUNTY	YOAKUM	POTTER	MOORE	POTTER	LAMB	7
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	211 12	211 11	211 11	211 11	211 11	8
9 PLANT CAPACITY (MW)	80.00	61.00	68.20	474.70	434.40	9
10 ANNUAL GENERATION (MWH)[3]	460,700	90,100	441,600	2,363,500	1,410,400	10
11 PLANT HEAT RATE (BTU/KWH)[3]	12,748	14,274	11,599	10,155	10,064	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)						12
13 AVERAGE HEAT CONTENT (BTU/LB)						13
14 AVERAGE SULFUR CONTENT (%)						14
15 AVERAGE ASH CONTENT (%)						15
16 AVERAGE MOISTURE CONTENT (%)						16
17 OIL: CONSUMPTION (1,000 BARRELS)					14.39	17
18 AVERAGE HEAT CONTENT (BTU/GAL)					136,840	18
19 AVERAGE SULFUR CONTENT (%)					.47	19
20 GAS: CONSUMPTION (1,000 MCF)	5,604.00	1,303.00	5,297.00	23,921.00	14,111.00	20
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,045	981	999	1,004	1,000	21

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	4	7	2	3	4	22
23 - NO. OF WET BOTTOM						23
24 - NO. WITH FLY ASH REINJECTION						24
25 - NO. WITH MECHANICAL PRECIPITATORS						25
26 - NO. WITH ELECTROSTATIC PRECIPITATORS						26
27 - NO. WITH COMBINATION PRECIPITATORS[4]						27
28 - NO. WITH DESULFURIZATION SYSTEMS						28
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00	2.50 5.00	10.00	10.00	10.00	29
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						30
31 TESTED, LOW - HIGH						31
32 ESTIMATED, LOW - HIGH						32
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH						33
34 TESTED, LOW - HIGH						34
35 EST., LOW - HIGH						35
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37 TESTED, LOW - HIGH						37
38 ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)					.02	39
40 SULFUR DIOXIDE (1,000 TONS)				4.66	2.78	40
41 NITROGEN OXIDES (1,000 TONS)	1.09	.25	1.03	3	6	41
42 STACKS: - TOTAL NO.	4	5	2			42
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	70.00 96.00	50.00 80.00	98.00 97.00	180.00	85.00 155.00	43
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]						45
46 SOLD (1,000 TONS)[11]						46
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						50
51 ELECTROSTATIC PRECIPITATORS ($1,000)						51
52 COMBINATION PRECIPITATORS ($1,000)[4]						52
53 DESULFURIZATION SYSTEMS ($1,000)						53
54 STACKS ($1,000)	19.00	13.00	10.96	61.00	61.18	54
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)						55
56 REVENUES FROM SALE OF ASH ($1,000)						56
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]						59
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)						60

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	W	W	W	U SEWAGE EFFLNT.	W	61
62 AVERAGE RATE OF WITHDRAWAL (CFS)	2.04	.50	1.41	5.58	4.17	62
63 AVERAGE RATE OF DISCHARGE (CFS)	1.33	.38	1.13		2.50	63
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.71	.12	.28	5.88	1.67	64
65 PEAK LOAD MONTH : SUMMER - WINTER[15]						65
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER						66
67 AT OUTFALL, SUMMER - WINTER						67
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER						68
69 - WINTER						69
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]						70
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.20	.05	.31	.97	.03	71
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.02	.01	.01	18.26	.22 108.14	72
73 LIME (TONS), COOLING WATER - BOILER MAKEUP	4.73		6.63	1,774.53		73
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP				137.71		74
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	1.14	1.49		4.88	16.95	75
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES YES	YES YES	YES YES	YES YES	76
77 SEWAGE DISPOSAL: METHOD RS, ST, SW, OT[18]	ST	PS	ST	ST	ST	77
78 RECEIVING WATER BODY						78
79 POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING						79
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						80
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING						81
82						82

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)						83
84 ONCE THROUGH COOLING (SALINE)						84
85 COOLING PONDS(S)						85
86 COOLING TOWER(S)	3 80.00	5 76.00	2 68.20	3 474.70	4 451.90	86
87 COMBINATIONS[21]						87
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1946 1955	1930 1951	1950 1954	1960 1966	1952 1964	88
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	13.00 15.00	15.00	15.00 18.00	15.00	15.00	89
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	176.60	219.60	163.00	626.50	649.20	90
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)						91

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)						92
93 COOLING PONDS ($1,000)						93
94 COOLING TOWERS ($1,000)	652.00	530.80	706.10	2,679.50	3,304.30	94

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	34.90	11.20	37.30	149.90	195.50	95
96 COST OF CHEMICAL ADDITIVES ($1,000)	11.50	3.00	9.50	117.60	47.00	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	25.20	21.40	18.00	30.50	31.00	97
98 COST OF CHEMICAL ADDITIVES ($1,000)	1.10	.10	1.00	23.90	11.30	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

	1	2	3	4	5	6
NAME OF UTILITY	SOUTHWEST PUBLIC SERVICE CO.	SOUTHWEST PUBLIC SERVICE CO.	SOUTHWESTERN ELECTRIC POWER CO.	SOUTHWESTERN ELECTRIC POWER CO.	SOUTHWESTERN ELECTRIC POWER CO.	
NAME OF PLANT	RIVERVIEW	JONES	ARSENAL HILL	KNOX LEE	LIEBERMAN	
UTILITY-PLANT CODE	453000-1400	453000-1700	454000-0100	454000-0200	454000-0300	
STATE	TEXAS	TEXAS	LOUISIANA	TEXAS	LOUISIANA	
COUNTY	HUTCHINSON	LUBBOCK	CADDO	GREGG	CADDO	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	211 12	211 12	022 11	022 12	022 11	
PLANT CAPACITY (MW)[3]	34.50	495.00	170.00	537.00	277.20	
ANNUAL GENERATION (MWH)[3]	140,533	1,854,600	345,000	2,346,100	921,300	
PLANT HEAT RATE (BTU/KWH)[3]	11,935	10,028	11,056	10,638	10,517	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)							
AVERAGE HEAT CONTENT (BTU/LB)							
AVERAGE SULFUR CONTENT (%)							
AVERAGE ASH CONTENT (%)							
AVERAGE MOISTURE CONTENT (%)							
OIL: CONSUMPTION (1,000 BARRELS)		(8.30)		647.00	37.03		
AVERAGE HEAT CONTENT (BTU/GAL)		(39,000)		147,381	147,400		
AVERAGE SULFUR CONTENT (%)		.75		.70	.70		
GAS: CONSUMPTION (1,000 MCF)	1,614.00	17,883.00	3,783.00	20,486.00	9,611.00		
AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,038	1,034	1,063	1,000	1,020		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	1	2	9	5	4		
- NO. OF WET BOTTOM							
- NO. WITH FLY ASH REINJECTION							
- NO. WITH MECHANICAL PRECIPITATORS							
- NO. WITH ELECTROSTATIC PRECIPITATORS							
- NO. WITH COMBINATION PRECIPITATORS[4]							
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]							
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	10.00	10.00	7.00 15.00	7.00 8.00	15.00 17.00		
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
EST., LOW - HIGH							
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)				.11	.01		
SULFUR DIOXIDE (1,000 TONS)		.04		1.59	.09		
NITROGEN OXIDES (1,000 TONS)	.31	3.53	.74	5.59	1.84		
STACKS: - TOTAL NO.	1	2	4	5	5		
- HEIGHT (FEET), LOWEST - HIGHEST[8]	80.00	171.00	155.00 275.00	100.00 450.00	125.00 140.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]				.08			
TOTAL ASH: COLLECTED (1,000 TONS)[10]							
SOLD (1,000 TONS)[11]							
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							
ELECTROSTATIC PRECIPITATORS ($1,000)							
COMBINATION PRECIPITATORS ($1,000)[4]							
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)							
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	4.10	69.00	70.70	172.00	39.00		
REVENUES FROM SALE OF ASH ($1,000)							
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		31.20					
TOTAL BYPRODUCT SALES REVENUES ($1,000)							

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	M	O SEWAGE EFFLNT.	M	L CHEROKEE	L CADDO		
AVERAGE RATE OF WITHDRAWAL (CFS)	.70	5.50	.87	685.70	223.77		
AVERAGE RATE OF DISCHARGE (CFS)	.56	4.40	.03	685.70	233.77		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.14	1.10	.84				
PEAK LOAD MONTH : SUMMER - WINTER[15]			SEP DEC	SEP DEC	SEP DEC		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER			97.00 79.00	92.00 85.00	94.00 88.00		
AT OUTFALL, SUMMER - WINTER			118.00 99.00	106.00 76.00	110.00 82.00		
AVE. FLOW IN RECEIVING BODY DUPING PEAK MONTH (CFS): SUMMER							
- WINTER							
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]			C	C	C		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.03	.03					
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	2.78	41.11	6.02	54.23	6.88		
LIME (TONS), COOLING WATER - BOILER MAKEUP	184.71	2,010.25					
ALUM (TONS), COOLING WATER - BOILER MAKEUP		171.52		1.45	2.75		
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	.98	6.70		3.45	1.95		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES YES	YES	YES	YES		
SEWAGE DISPOSAL: METHOD RS, ST, SW, OT[18]	ST	ST		ST	ST		
RECEIVING WATER BODY							
POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING							
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING							
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING							

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)							
ONCE THROUGH COOLING (SALINE)							
COOLING POND(S)			5 170.00	5 537.00	4 277.20		
COOLING TOWER(S)	1 34.50	2 495.00					
COMBINATIONS[21]							
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1941	1971 1974	1960	1950 1974	1947 1959		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	15.00	14.70	10.00 18.00	8.40 19.00	12.00 18.00		
TOTAL RATE OF FLOW THPOUGH ALL CONDENSERS (CFS)	12.90	622.20	466.00	982.00	416.00		
TOTAL RATE OF WITHDRAWAL, ONCE THPOUGH COOLING SYSTEMS (CFS)							

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)							
COOLING PONDS ($1,000)			187.80		723.70		
COOLING TOWERS ($1,000)	204.50	4,971.00					

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	68.20	85.00	2.80	6.20	5.60		
COST OF CHEMICAL ADDITIVES ($1,000)	2.50	137.00	.42	1.55	1.28		

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	30.60	42.30	1.70	9.50	4.00		
COST OF CHEMICAL ADDITIVES ($1,000)	3.00	11.50	1.35	8.02	3.00		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	SOUTHWESTERN ELECTRIC POWER CO.	SOUTHWESTERN ELECTRIC POWER CO.	SPRINGFIELD WATER LIGHT & POWER DEPT.	SPRINGFIELD WATER LIGHT & POWER DEPT.	ST. JOSEPH LIGHT & POWER CO.	1
2		LONE STAR	WILKES	DALLMAN	LAKESIDE	EDMOND	2
3		454000-0400	454000-0500	457000-0100	457000-0200	460000-0100	3
4	NAME OF PLANT	TEXAS	TEXAS	ILLINOIS	ILLINOIS	MISSOURI	4
5	UTILITY-PLANT CODE	MORRIS	MARION	SANGAMON	SANGAMON	BUCHANAN	5
6	STATE	022 11	022 11	075 07	075 07	094 10	6
7	COUNTY	50.00	881.50	160.00	146.00	42.50	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	16,200	4,988,500	823,700	340,100	85,000	8
9	PLANT CAPACITY (MW)	12,680	10,069	11,781	13,835	19,948	9
10	ANNUAL GENERATION (MWH)[3]						10
11	PLANT HEAT RATE (BTU/KWH)[3]						11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)			484.20	218.70		12
13	AVERAGE HEAT CONTENT (BTU/LB)			10,002	10,353		13
14	AVERAGE SULFUR CONTENT (%)			3.15	3.24		14
15	AVERAGE ASH CONTENT (%)			13.49	12.87		15
16	AVERAGE MOISTURE CONTENT (%)			13.05	11.99		16
17	OIL: CONSUMPTION (1,000 BARRELS)	2.89	2.54	1.80	29.50	55.06	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	140,000	146,000	136,000	136,000	150,336	18
19	AVERAGE SULFUR CONTENT (%)	.06	.10	.30	.30	1.34	19
20	GAS: CONSUMPTION (1,000 MCF)	200.80	52,466.00			1,403.95	20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	937	957			960	21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	1	3	2	7	5	22
23	- NO. OF WET BOTTOM			2	2		23
24	- NO. WITH FLY ASH REINJECTION						24
25	- NO. WITH MECHANICAL PRECIPITATORS					2	25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS			1	2		26
27	- NO. WITH COMBINATION PRECIPITATORS[4]			1	2		27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	7.00	7.00 8.00	15.00	15.00 20.00	10.00 33.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH					93.00	30
31	TESTED, LOW - HIGH						31
32	ESTIMATED, LOW - HIGH					93.00	32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH			97.50	97.50		33
34	TESTED, LOW - HIGH			95.00 96.00	93.00		34
35	EST., LOW - HIGH			95.00 96.00	76.10		35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)			.29	2.26	.01	39
40	SULFUR DIOXIDE (1,000 TONS)			29.89	13.88	.25	40
41	NITROGEN OXIDES (1,000 TONS)	.05	10.24	13.32	4.61	.40	41
42	STACKS: - TOTAL NO.	1	4	2	4	3	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	140.00	161.00 162.00	300.00	125.00 300.00	75.00 189.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]			64.70	27.50		45
46	SOLD (1,000 TONS)[11]						46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)					23.20	49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			94.60	518.20		50
51	ELECTROSTATIC PRECIPITATORS ($1,000)			128.90	518.20		51
52	COMBINATION PRECIPITATORS ($1,000)[4]						52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)	13.94	235.30	644.00	477.00	149.89	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)			160.80	109.20		55
56	REVENUES FROM SALE OF ASH ($1,000)						56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]			171.00	119.40		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)						60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	C ELLISON	C JOHNSON	L SPRINGFIELD	L SPRINGFIELD	R MISSOURI	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	5.00	.06	202.50	73.30	27.50	62
63	AVERAGE RATE OF DISCHARGE (CFS)	5.00	9.60	202.50	73.30	27.50	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]			1.74 .63	.24		64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	SEP DEC	SEP DEC	AUG DEC		JUL JAN	65
66	MAX. TEMP. DURING PEAK MOM (DEG. F.): AT DIVERSION, SUMMER - WINTER	88.00	98.00 72.00	87.00 44.00	91.00 46.00	84.60 32.50	66
67	AT OUTFALL, SUMMER - WINTER	100.00	117.00 59.00	105.00 68.00	101.00 60.00	105.50 47.50	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER					59,370.00	68
69	- WINTER					23,300.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	C	C		H	D	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP			.34	.23	4.93	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		64.16		.38		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP					24.80	73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP		2.51				74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	.13	18.00	.		.41	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]		YES	YES		YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, DT[18]	CT	ST	PS	PS	PS	77
78	RECEIVING WATER BODY[19]						78
79	POND DISCHARGES: PH, BOILER BLOWDOWN - ASH SETTLING			9.00	9.00		79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			4.00	4.00		80
81	VOLUME (1,000 CUBT/YR), BOILER BLOWDOWN						81
82	- ASH SETTLING			63,557.28	38,400.00		82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)			2 180.50	7 155.00	3 42.50	83
84	ONCE THROUGH COOLING (SALINE)						84
85	COOLING PONDS	1 50.00	3 879.00				85
86	COOLING TOWERS						86
87	COMBINATIONS[21]						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1953	1964 1971	1968 1972	1935 1965	1920 1949	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	14.00	21.00	15.00	13.65 14.11	12.00 13.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	122.00	787.00	274.00	339.00	129.23	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)			624.00	481.00	129.30	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)			256.00	510.00	175.00	92
93	COOLING PONDS ($1,000)		1,112.00				93
94	COOLING TOWERS ($1,000)		514.00				94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	1.20	7.00	42.80	53.90	9.60	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	.07	6.37			.19	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	1.20	14.50	17.00	17.00	17.70	97
98	COST OF CHEMICAL ADDITIVES ($1,000)		9.39	1.00	2.40	9.24	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	ST. JOSEPH LIGHT & POWER CO.	SUNFLOWER ELEC COOP	SUPERIOR WATER LIGHT & PWER CO.	TALLAHASSEE, CITY OF	TALLAHASSEE, CITY OF	
NAME OF PLANT	LAKERDAO	GARDEN CITY	WINSLOW	PUROOM	HOPKINS	
UTILITY-PLANT CODE	460000-0200	470250-0100	470500-0100	473500-0100	473500-0300	
STATE	MISSOURI	KANSAS	WISCONSIN	FLORIDA	FLORIDA	
COUNTY	BUCHANAN	FINNEY	DOUGLAS	WAKULLA	LEON	
AIR QUALITY CONTROL REGION NO. [1] - WATER RESOURCE REGION NO. [2]	094 IU	100 11	129 04	049 03	049 03	
PLANT CAPACITY (MW)	150.50	120.40	25.00	130.00	75.00	
ANNUAL GENERATION (MWH) [3]	574,000	246,000	63,000	434,000	424,000	
PLANT HEAT RATE (BTU/KWH) [3]	14,609	33,235	15,229	10,847	11,943	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	124.82							
AVERAGE HEAT CONTENT (BTU/LB)	10,112							
AVERAGE SULFUR CONTENT (%)	3.90							
AVERAGE ASH CONTENT (%)	15.05							
AVERAGE MOISTURE CONTENT (%)	14.72							
OIL: CONSUMPTION (1,000 BARRELS)	35.33	913.10	56.10	726.24	528.57			
AVERAGE HEAT CONTENT (BTU/GAL)	148,172	138,000	150,987	150,658	150,702			
AVERAGE SULFUR CONTENT (%)	1.71	.30	1.49	1.82	1.84			
GAS: CONSUMPTION (1,000 MCF)	5,864.00	2,973.00	347.10	101.17	1,614.66			
AVERAGE HEAT CONTENT (BTU/CU.FT.)	962	470	1,012	1,105	1,476			

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	6	4	2	7	1				
- NO. OF WET BOTTOM	1								
- NO. WITH FLY ASH REINJECTION									
- NO. WITH MECHANICAL PRECIPITATORS									
- NO. WITH ELECTROSTATIC PRECIPITATORS	3		1						
- NO. WITH COMBINATION PRECIPITATORS [4]									
- NO. WITH DESULFURIZATION SYSTEMS									
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER [5]									
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	10.00	25.00	1.80	3.00	16.00	20.00	10.00	15.00	10.00
TESTED, LOW - HIGH	70.00	85.70				85.00			
ESTIMATED, LOW - HIGH	57.70	86.80							
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY [6]: DESIGN, LOW - HIGH						65.00			
TESTED, LOW - HIGH									
EST., LOW - HIGH									
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH									
TESTED, LOW - HIGH									
ESTIMATED, LOW - HIGH									

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS [7]: PARTICULATE MATTER (1,000 TONS)	2.75	.15		.12	.09				
SULFUR DIOXIDE (1,000 TONS)	9.74	.92	.48	4.43	3.66				
NITROGEN OXIDES (1,000 TONS)	2.88	2.59	.28	1.02	1.48				
STACKS: - TOTAL NO.	6	4	2	6	1				
- HEIGHT (FEET), LOWEST - HIGHEST [8]	92.00 225.00	52.50 114.00	105.00 150.00	74.00 180.00	200.00				
COMBUSTION CYCLE ADDITIVES (1,000 TONS) [9]									
TOTAL ASH: COLLECTED (1,000 TONS) [10]	16.20								
SOLD (1,000 TONS) [11]									
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)									
EQUIVALENT OF ACID COLLECTED (1,000 TONS) [12]									
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)									
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	176.10								
ELECTROSTATIC PRECIPITATORS ($1,000)			5.00						
COMBINATION PRECIPITATORS ($1,000) [4]									
DESULFURIZATION SYSTEMS ($1,000)									
STACKS ($1,000)	229.00		45.90	90.00					
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	18.20								
REVENUES FROM SALE OF ASH ($1,000)									
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)									
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)									
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) [13]	18.20								
TOTAL BYPRODUCT SALES REVENUES ($1,000)									

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	R MISSOURI	W	L SUPERIOR	R ST MARKS	W				
AVERAGE RATE OF WITHDRAWAL (CFS)	66.00	7.20	30.50	162.30	1.34				
AVERAGE RATE OF DISCHARGE (CFS)	66.00	7.10	30.50	162.30	.35				
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED [14]	.57	.10	.26		1.04				
PEAK LOAD MONTH : SUMMER - WINTER [15]	JUN JAN	JUL DEC	AUG OCT	JUN JAN	JUL DEC				
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	84.60 32.50	75.00 65.00	77.00 59.00	86.00 74.00					
AT OUTFALL, SUMMER - WINTER	85.00 74.00	75.00 65.00	88.00 77.00	96.00 89.00					
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	59,370.00		56.80	642.00					
- WINTER	23.30		26.70	742.00					
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, D [16]	D	D	H	H	C				
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.30	.01	.15	.17	.06				
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		16.72	6.25	.07					
LIME (TONS), COOLING WATER - BOILER MAKEUP	201.93								
ALUM (TONS), COOLING WATER - BOILER MAKEUP									
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	1.97	.84		1.23	5.01 .03				
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP [17]	YES	YES YES	YES	YES	YES YES				
SEWAGE DISPOSAL: METHOD RS, ST, SW, OT [18]	OT	ST	PS	ST	ST				
[19] RECEIVING WATER BODY		D FIELD LATERALS							
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING									
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	8.20								
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING	41.00								
	900.00								

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING [20]: ONCE THROUGH COOLING (FRESH)	1 90.00	2 11.00	2 25.15						
ONCE THROUGH COOLING (SALINE)									
COOLING POND(S)									
COOLING TOWER(S)	3 60.50	2 59.40			1 75.00				
COMBINATIONS [21]				7 118.00					
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1951 1967	1947 1973	1942 1952	1951 1966	1971				
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST [22]	12.20 18.30	15.00	8.00 18.00	13.00 15.00	17.00				
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	269.30	176.00	78.10	286.40	124.80				
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	114.60	25.80	75.00	286.40					

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	580.10		258.00	750.00					
COOLING PONDS ($1,000)									
COOLING TOWERS ($1,000)	218.70	296.00			324.40				

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	6.70	11.00	38.20	4.90	200.33				
COST OF CHEMICAL ADDITIVES ($1,000)	30.90	6.00		1.80	14.45				

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	115.30	13.00	6.10	25.00	23.65				
COST OF CHEMICAL ADDITIVES ($1,000)	27.90	9.00	3.29	9.10	4.39				

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	TAMPA ELECTRIC CO.	TAMPA ELECTRIC CO.	TAMPA ELECTRIC CO.	TAUNTON MUNICIPAL LIGHTING PLT.	TAUNTON MUNICIPAL LIGHTING PLT.	1
2						2
3						3
4 NAME OF PLANT	GANNON	HOOKERS POINT	BIG BEND	CLEARY	TAUNTON	4
5 UTILITY-PLANT CODE	474000-0100	474000-0200	474000-0300	475000-0100	475000-0200	5
6 STATE	FLORIDA	FLORIDA	FLORIDA	MASSACHUSETTS	MASSACHUSSETS	6
7 COUNTY	HILLSBOROUGH	HILLSBOROUGH	HILLSBOROUGH	BRISTOL	BRISTOL	7
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	052 03	052 03	052 03	120 01	120 01	8
9 PLANT CAPACITY (MW)	1,270.38	232.60	891.00	118.30	46.00	9
10 ANNUAL GENERATION (MWH)[3]	4,447,700	485,800	3,767,800	125,600	125,600	10
11 PLANT HEAT RATE (BTU/KWH)[3]	10,491	13,587	10,943	20,488	11,521	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)	1,901.70		1,684.20				12
13 AVERAGE HEAT CONTENT (BTU/LB)	11,124		11,171				13
14 AVERAGE SULFUR CONTENT (%)	3.13		3.15				14
15 AVERAGE ASH CONTENT (%)	11.33		10.93				15
16 AVERAGE MOISTURE CONTENT (%)	11.25		11.46				16
17 OIL: CONSUMPTION (1,000 BARRELS)	705.40	1,073.90		418.63	244.12		17
18 AVERAGE HEAT CONTENT (BTU/GAL)	146,956	146,580		146,161	140,155		18
19 AVERAGE SULFUR CONTENT (%)	.98	.91		.88	.92		19
20 GAS: CONSUMPTION (1,000 MCF)							20
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)							21

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	6	6	2	2		4		22
23 - NO. OF WET BOTTOM	6		2					23
24 - NO. WITH FLY ASH REINJECTION	4		2			1		24
25 - NO. WITH MECHANICAL PRECIPITATORS								25
26 - NO. WITH ELECTROSTATIC PRECIPITATORS	6		2					26
27 - NO. WITH COMBINATION PRECIPITATORS[4]								27
28 - NO. WITH DESULFURIZATION SYSTEMS								28
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	12.00 15.00	13.00 20.00	15.00	15.00	13.50 15.00			29
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH								30
31 TESTED, LOW - HIGH						80.00		31
32 ESTIMATED, LOW - HIGH								32
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	90.00 99.78		99.00 99.76					33
34 TESTED, LOW - HIGH	80.20 99.84		96.04 99.78					34
35 EST., LOW - HIGH	80.00 99.80		98.70 99.80					35
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH								36
37 TESTED, LOW - HIGH								37
38 ESTIMATED, LOW - HIGH								38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	3.02	.18	2.80	.07	.03		39
40 SULFUR DIOXIDE (1,000 TONS)	117.50	3.24	103.98	1.22	.60		40
41 NITROGEN OXIDES (1,000 TONS)	39.18	2.37	25.26	.91	.43		41
42 STACKS: - TOTAL NO.	7	4	1	2	4		42
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	200.00 306.00	150.00 280.00	490.00	185.00	94.00 250.00		43
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]		1.00			.02		44
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]	200.00		181.70		.02		45
46 SOLD (1,000 TONS)[11]	92.90		110.10				46
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							50
51 ELECTROSTATIC PRECIPITATORS ($1,000)	9,114.00		540.00				51
52 COMBINATION PRECIPITATORS ($1,000)[4]							52
53 DESULFURIZATION SYSTEMS ($1,000)							53
54 STACKS ($1,000)	2,618.00	486.00	612.00	250.00	157.00		54
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	296.00	2.70	336.10	10.00	10.00		55
56 REVENUES FROM SALE OF ASH ($1,000)	247.30		171.00				56
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	301.80	6.50	346.70	10.00	10.00		59
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)	247.30		171.00				60

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	R TAMPA	B TAMPA	B HILLSBOROUGH	R TAUNTON	R TAUNTON		61
62 AVERAGE RATE OF WITHDRAWAL (CFS)	1,961.00	390.00	1,070.00		54.00		62
63 AVERAGE RATE OF DISCHARGE (CFS)	1,961.00	390.00	1,070.00		54.00		63
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	16.86	3.35	9.20		.46		64
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	JUN DEC	SEP JAN		JUL DEC		65
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	88.00 70.00	88.00 70.00	88.00 75.00		88.00 44.00		66
67 AT OUTFALL, SUMMER - WINTER	103.00 81.00	110.00 89.00	105.00 85.00		98.00 44.00		67
68 AVE. FLOW IN RECEIVING BODY DUPING PEAK MONTH (CFS): SUMMER					93.00		68
69 - WINTER					93.00		69
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	H	H	H	H	H		70
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	12.80	.93 2.65	.98		1.55		71
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	998.98	4.25	233.80		5.00		72
73 LIME (TONS), COOLING WATER - BOILER MAKEUP							73
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP							74
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	184.33	62.50	106.61		2.00		75
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP	YES YES	YES YES	YES YES		YES		76
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT	PS		ST	PS		77
78 RECEIVING WATER BODY	B TAMPA		B HILLSBOROUGH				78
79 POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING			7.30				79
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			35.00				80
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING							81
82							82

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)							83
84 ONCE THROUGH COOLING (SALINE)	6 1,270.38	5 232.60	2 891.00	1 28.30	3 31.50		84
85 COOLING PONDS							85
86 COOLING TOWERS							86
87 COMBINATIONS[21]							87
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1957 1967	1948 1955	1970 1973	1966	1933 1958		88
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	12.00 16.00	14.40 18.10	16.00	20.00	14.00 20.00		89
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,961.00	360.40	1,070.00	55.80	71.80		90
91 * TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,961.00	327.40	1,070.00	55.00	54.60		91

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)	4,164.00	3,143.00	1,200.00	250.00	515.00	92
93 COOLING PONDS ($1,000)						93
94 COOLING TOWERS ($1,000)						94

ANNUAL COOLING WATER EXPENSES

					24.00	95
95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	62.80	30.50	53.29		6.00	96
96 COST OF CHEMICAL ADDITIVES ($1,000)	19.60	7.90	21.45			

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

					36.00	97
97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	188.00	51.80	21.85		2.00	98
98 COST OF CHEMICAL ADDITIVES ($1,000)	78.20	12.80	17.66			

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	TENNESSEE VALLEY AUTHORITY	TENNESSEE VALLEY AUTHORITY	TENNESSEE VALLEY AUTHORITY	TENNESSEE VALLEY AUTHORITY	TENNESSEE VALLEY AUTHORITY
2						
3						
4	NAME OF PLANT	ALLEN	BULL RUN	BROWNS FERRY	COLBERT A	COLBERT B
5	UTILITY-PLANT CODE	477000-0100	477000-0500	477000-0550	477000-0900	477000-0905
6	STATE	TENNESSEE	TENNESSEE	ALABAMA	ALABAMA	ALABAMA
7	COUNTY	SHELBY	ANDERSON	LIMESTONE	COLBERT	COLBERT
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	018 08	207 06	007 06	007 06	007 06
9	PLANT CAPACITY (MW)	990.00	950.00	2,304.00	846.50	550.00
10	ANNUAL GENERATION (MWH)[3]	3,417,300	6,037,300	4,662,900	4,016,200	614,660
11	PLANT HEAT RATE (BTU/KWH)[3]	10,200	8,960	10,570	10,844	12,160

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	1,608.40	1,929.10		1,970.20	141.20	12
13	AVERAGE HEAT CONTENT (BTU/LB)	10,823	10,939		11,043	11,086	13
14	AVERAGE SULFUR CONTENT (%)	3.13	.93		4.08	3.95	14
15	AVERAGE ASH CONTENT (%)	12.42	16.60		15.99	15.37	15
16	AVERAGE MOISTURE CONTENT (%)	12.23	7.86		7.99	8.13	16
17	OIL: CONSUMPTION (1,000 BARRELS)	8.99	49.24		8.83	2.13	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	138,000	138,400		138,200	138,500	18
19	AVERAGE SULFUR CONTENT (%)	.40	.30		.20	.20	19
20	GAS: CONSUMPTION (1,000 MCF)						20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)						21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	3	1		4	1	22
23	- NO. OF WET BOTTOM	3					23
24	- NO. WITH FLY ASH REINJECTION						24
25	- NO. WITH MECHANICAL PRECIPITATORS						25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	3	1			1	26
27	- NO. WITH COMBINATION PRECIPITATORS[4]				4		27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	13.00	20.00		20.00	20.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						30
31	TESTED, LOW - HIGH						31
32	ESTIMATED, LOW - HIGH						32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	99.00	99.00	99.35	99.55	90.00	33
34	TESTED, LOW - HIGH	97.50	84.00		99.00	80.00	34
35	EST., LOW - HIGH	97.00 97.50	83.90		98.90	50.00	35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.54	43.82		2.25	7.05	39
40	SULFUR DIOXIDE (1,000 TONS)	98.67	35.21		157.34	10.93	40
41	NITROGEN OXIDES (1,000 TONS)	44.23	17.47		14.78	1.06	41
42	STACKS: - TOTAL NO.	3	1		4	1	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	400.00	800.00		300.00	500.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]		.30				44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	198.40	279.20		313.80	13.00	45
46	SOLD (1,000 TONS)[11]	63.80			1.40		46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	9,783.00	1,606.00			625.00	51
52	COMBINATION PRECIPITATORS ($1,000)[4]				7,950.00		52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)		1,224.00		524.00	427.00	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	634.00	815.00		503.00	71.00	55
56	REVENUES FROM SALE OF ASH ($1,000)				3.00		56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	634.00	815.00		503.00	71.00	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	26.00			3.00		60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	P MISSISSIPPI		R CLINCH		R TENNESSEE	R TENNESSEE		R TENNESSEE		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	561.00		351.00		524.00	109.00		86.00		62
63	AVERAGE RATE OF DISCHARGE (CFS)	560.00		350.00		523.00	108.00		65.00		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	4.82	1.00	3.02	1.00	4.51 1.00	.94	1.00	.57	1.00	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	SEP	DEC	SEP	DEC	SEP DEC	SEP	DEC	SEP	DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	84.00	50.00	66.00	52.00	86.00 53.00	85.00	51.00	85.00	51.00	66
67	AT OUTFALL, SUMMER - WINTER	106.00	72.00	65.00	61.00	86.00 53.00	98.00	64.00	98.00	64.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	328,400.00		4,400.00		37,500.00	45,000.00		45,000.00		68
69	- WINTER	474,700.00		3,800.00		50,500.00	60,600.00		60,600.00		69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	C		H		H	C		H		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP						.25				71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	98.27		65.75		115.30	136.09		33.90		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP										73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP					23.40	8.53		.57		74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	22.50				2.00	.42		.03		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES		YES	YES	YES		YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS		OT		OT	ST		ST		77
78	[19] RECEIVING WATER BODY			R CLINCH		R TENNESSEE	R TENNESSEE		R TENNESSEE		78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	7.10		8.50			11.10		11.10		79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	48.00		19.00			18.00		18.00		80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN										81
82	- ASH SETTLING	540,290.00		551,880.00			437,770.00		437,770.00		82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	3	990.00	1	950.00	2	2,196.80	4	846.50	1	550.00	83
84	ONCE THROUGH COOLING (SALINE)											84
85	COOLING PONDS(S)											85
86	COOLING TOWERS(S)											86
87	COMBINATIONS[21]											87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1958	1959		1966	1973	1974	1954	1955		1962	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]		20.00		17.90		25.90		13.20		14.40	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)		768.60		885.60		2,673.60		1,270.00		634.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		848.88		950.76		2,673.60		1,354.64		695.14	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)		2,042.00		2,688.00	1,694.00	92
93	COOLING PONDS ($1,000)						93
94	COOLING TOWERS ($1,000)						94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	147.00	24.00	.20	81.00	57.00	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	3.00		.20			96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	21.00	16.00	.80	41.00	87.00	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	39.00	17.00	21.00	32.00	10.00	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	1. TENNESSEE VALLEY AUTHORITY	TENNESSEE VALLEY AUTHORITY	TENNESSEE VALLEY AUTHORITY	TENNESSEE VALLEY AUTHORITY	TENNESSEE VALLEY AUTHORITY	1
2							2
3							3
4	NAME OF PLANT	GALLATIN	SEVIER	JOHNSONVILLE	KINGSTON	PARADISE	4
5	UTILITY-PLANT CODE	477000-1400	477000-1800	477000-1900	477000-2100	477000-3000	5
6	STATE	TENNESSEE	TENNESSEE	TENNESSEE	TENNESSEE	KENTUCKY	6
7	COUNTY	SUMNER	HAWKINS	HUMPHREYS	ROANE	MUHLENBERG	7
8	AIR QUALITY CONTROL REGION NO. 1/ - WATER RESOURCE REGION NO. 2/	208 05	207 06	208 06	207 06	072 05	8
9	PLANT CAPACITY (MW)	1,255.20	846.50	1,485.20	1,700.00	2,558.20	9
10	ANNUAL GENERATION (MWH) 3/	3,768,300	2,945,200	4,953,500	7,903,600	10,043,000	10
11	PLANT HEAT RATE (BTU/KWH) 3/	9,250	16,355	12,424	12,223	9,691	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	1,516.90	2,116.50	2,901.30	4,364.50	4,719.80	12
13	AVERAGE HEAT CONTENT (BTU/LB)	11,474	11,370	10,615	11,050	10,274	13
14	AVERAGE SULFUR CONTENT (%)	3.58	1.89	3.44	2.31	4.24	14
15	AVERAGE ASH CONTENT (%)	14.80	14.76	17.11	18.45	19.02	15
16	AVERAGE MOISTURE CONTENT (%)	6.71	7.63	8.85	6.16	8.89	16
17	OIL: CONSUMPTION (1,000 BARRELS)	10.49	6.85	16.78	25.92	60.32	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	137,900	137,600	137,200	137,700	137,044	18
19	AVERAGE SULFUR CONTENT (%)	.20	.20	.14	.40	.23	19
20	GAS: CONSUMPTION (1,000 MCF)						20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)						21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	4	4	10	9	3			22
23	- NO. OF WET BOTTOM					3			23
24	- NO. WITH FLY ASH REINJECTION								24
25	- NO. WITH MECHANICAL PRECIPITATORS			6					25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS					3			26
27	- NO. WITH COMBINATION PRECIPITATORS 4/	4	4	6	9				27
28	- NO. WITH DESULFURIZATION SYSTEMS								28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER 5/	20.00	20.00	18.00 20.00	16.00 20.00	16.00 20.00			29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			86.00					30
31	TESTED, LOW - HIGH			56.00 60.00					31
32	ESTIMATED, LOW - HIGH			50.00					32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY 6/: DESIGN, LOW - HIGH	99.20	99.78	99.70 99.89	99.25	98.00			33
34	TESTED, LOW - HIGH	91.20 95.00	99.10 99.40	98.60 98.70	80.00 91.50	97.80			34
35	EST., LOW - HIGH	94.60 97.90	99.50 99.70	99.50 99.70	91.80 95.60	97.80			35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH								36
37	TESTED, LOW - HIGH								37
38	ESTIMATED, LOW - HIGH								38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS 7/: PARTICULATE MATTER (1,000 TONS)	6.87	1.02	79.88	39.93	1.98	39
40	SULFUR DIOXIDE (1,000 TONS)	106.44	78.41	195.61	197.59	392.27	40
41	NITROGEN OXIDES (1,000 TONS)	13.65	19.05	24.15	39.28	129.90	41
42	STACKS: - TOTAL NO.	2	2	8	9	3	42
43	- HEIGHT (FEET), LOWEST - HIGHEST 8/	501.50	350.00	270.00 400.00	250.00 300.00	600.00 600.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) 9/	.10					44
45	TOTAL ASH: COLLECTED (1,000 TONS) 10/	223.70	311.50	400.00	755.50	884.90	45
46	SOLD (1,000 TONS) 11/	20.40			49.00	169.50	46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) 12/						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			447.00		5,771.30	50
51	ELECTROSTATIC PRECIPITATORS ($1,000)						51
52	COMBINATION PRECIPITATORS ($1,000) 4/	5,295.20	13,077.60	12,309.20	1,708.80		52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)	715.00	372.00	1,063.40	1,098.00	3,181.60	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	572.00	296.00	406.00	915.00	2,145.00	55
56	REVENUES FROM SALE OF ASH ($1,000)	21.30			107.00	31.00	56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) 13/	572.00	296.00	406.00	915.00	2,145.00	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	21.30			107.00	31.00	60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	R CUMBERLAND	R HOLSTON	R TENNESSEE	R CLINCH	R GREEN	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	680.00	903.00	1,696.00	1,945.00	650.00	62
63	AVERAGE RATE OF DISCHARGE (CFS)	670.00	898.00	1,685.00	1,925.00	628.00	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED 14/	5.85 10.00	7.77 5.00	14.59 11.00	16.73 20.00	22.00	64
65	PEAK LOAD MONTH : SUMMER - WINTER 15/		SEP OEC	SEP CEC	SEP OEC	SEP OEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	76.00 53.00	75.00 53.00	86.00 51.00	74.00 48.00	94.00 49.00	66
67	AT OUTFALL, SUMMER - WINTER	92.00 69.00	90.00 68.00	99.00 64.00	88.00 62.00	121.00 76.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	6,500.00	3,550.00	52,500.00	5,800.00	2,650.00	68
69	- WINTER	21,500.00	3,050.00	72,600.00	6,400.00	14,200.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O 16/	C	C	C	C	H	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	3.13	1.06	3.00	6.45		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		334.41	1.20	1.75	127.96	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP						73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	15.60	14.50	24.60	27.40		74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP		79.35 .79		40.90 2.13	36.00	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP 17/	YES	YES	YES	YES YES	YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT 18/	OT	ST	ST	ST	OT	77
78	RECEIVING WATER BODY	R CUMBERLAND	R HOLSTON	R TENNESSEE	R EMORY		78
79	POND DISCHARGE: 19/ PH, BOILER BLOWDOWN - ASH SETTLING	9.30	8.10	11.10	6.50	7.20	79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	20.00	20.00	15.00	22.00	54.00	80
81	VOLUME (1,000 CUBT/YR), BOILER BLOWDOWN - ASH SETTLING	516,110.00	174,650.00	487.00	845,700.00	132.00	81
82							82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING 20/: ONCE THROUGH COOLING (FRESH)	4 1,255.20	4 846.50	10 1,485.20	9 1,700.00		83
84	ONCE THROUGH COOLING (SALINE)						84
85	COOLING PONDS(S)					1 1,150.20	85
86	COOLING TOWER(S)					2 1,408.00	86
87	COMBINATIONS 21/					1963 1969	87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1956 1959	1955 1957	1951 1959	1954 1955	26.00 28.00	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST 22/	11.30 15.60	17.00	12.40 13.30	15.20 15.50		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,320.00	1,011.60	2,293.00	2,154.50	1,721.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,417.00	28,455.81	2,486.48	2,323.83	1,144.86	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	2,924.00	3,528.00	5,082.00	5,157.00	2,890.00	92
93	COOLING PONDS ($1,000)						93
94	COOLING TOWERS ($1,000)					20,251.00	94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	23.00	61.00	60.00	42.00	61.00	95
96	COST OF CHEMICAL ADDITIVES ($1,000)		9.00		5.00	4.00	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	72.00	79.00	83.00	136.00	4.00	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	24.00	49.00	17.00	24.00	32.00	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	1	TENNESSEE VALLEY AUTHORITY	TENNESSEE VALLEY AUTHORITY	TENNESSEE VALLEY AUTHORITY	TENNESSEE VALLEY AUTHORITY	TENNESSEE VALLEY AUTHORITY	1
2		2						2
3		3						3
4	NAME OF PLANT	4	SHAWNEE	WATTS BAR	WIDOWS CREEK A	WIDOWS CREEK B	CUMBERLAND	4
5	UTILITY-PLANT CODE	5	477000-3200	477000-3600	477000-3800	477000-3805	477000-4100	5
6	STATE	6	KENTUCKY	TENNESSEE	ALABAMA	ALABAMA	TENNESSEE	6
7	COUNTY	7	MCCRACKEN	RHEA	JACKSON	JACKSON	STEWART	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	8	072 05	207 06	007 06	007 06	208 05	8
9	PLANT CAPACITY (MW)	9	1,750.00	240.00	852.98	1,125.01	2,600.00	9
10	ANNUAL GENERATION (MWH)[3]	10	8,642,200	883,000	3,440,700	4,259,100	9,279,400	10
11	PLANT HEAT RATE (BTU/KWH)[3]	11	10,703	13,125	12,610	10,691	9,982	11
	AIR QUALITY CONTROL DATA							
	FUEL CONSUMPTION DATA (ANNUAL)							
12	COAL: CONSUMPTION (1,000 TONS)	12	4,439.30	516.00	1,843.10	2,025.90	3,932.90	12
13	AVERAGE HEAT CONTENT (BTU/LB)	13	10,480	11,221	11,184	11,171	10,586	13
14	AVERAGE SULFUR CONTENT (%)	14	3.24	3.57	3.04	3.54	3.77	14
15	AVERAGE ASH CONTENT (%)	15	15.45	14.74	16.41	16.02	16.65	15
16	AVERAGE MOISTURE CONTENT (%)	16	11.22	8.24	6.82	6.97	9.34	16
17	OIL: CONSUMPTION (1,000 BARRELS)	17	25.19	1.76	18.84	19.26	97.32	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	18	137,200	138,800	138,300	138,500	137,600	18
19	AVERAGE SULFUR CONTENT (%)	19	.20	.50	.10	.10	.50	19
20	GAS: CONSUMPTION (1,000 MCF)	20						20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	21						21
	PLANT EQUIPMENT DATA							
22	BOILERS: - TOTAL NO.	22	10	4	6	2	2	22
23	- NO. OF WET BOTTOM	23		4				23
24	- NO. WITH FLY ASH REINJECTION	24						24
25	- NO. WITH MECHANICAL PRECIPITATORS	25			6			25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26		4		2	2	26
27	- NO. WITH COMBINATION PRECIPITATORS[4]	27	10					27
28	- NO. WITH DESULFURIZATION SYSTEMS	28						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	29	20.00	20.00	20.00	20.00	20.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30			85.00			30
31	TESTED, LOW - HIGH	31			70.00			31
32	ESTIMATED, LOW - HIGH	32			80.00			32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	33	98.50	95.00		90.00 95.00	99.00	33
34	TESTED, LOW - HIGH	34	94.00 97.20	95.00		50.00 99.00	99.06 99.10	34
35	EST., LOW - HIGH	35	97.30 98.80	92.60 95.00		48.40 98.70	99.00	35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36						36
37	TESTED, LOW - HIGH	37						37
38	ESTIMATED, LOW - HIGH	38						38
	PLANT OPERATING DATA AND COST OF EQUIPMENT							
39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	39	9.05	3.13	78.64	56.00	3.57	39
40	SULFUR DIOXIDE (1,000 TONS)	40	281.91	36.11	109.83	140.54	290.60	40
41	NITROGEN OXIDES (1,000 TONS)	41	33.29	3.87	13.82	18.23	33.40	41
42	STACKS: - TOTAL NO.	42	10	2	6	2	2	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	43	250.00	177.00	270.00	500.00	1,000.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	44				.10		44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	45	677.20	74.10	205.60	271.90	649.20	45
46	SOLD (1,000 TONS)[11]	46	677.20					46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]	48						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50			553.20			50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51		1,840.00		2,457.00	7,775.00	51
52	COMBINATION PRECIPITATORS ($1,000)[4]	52	7,106.00					52
53	DESULFURIZATION SYSTEMS ($1,000)	53						53
54	STACKS ($1,000)	54	1,830.00	63.12	430.40	687.00	7,800.00	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55	571.00	149.00	306.00	822.00	1,538.00	55
56	REVENUES FROM SALE OF ASH ($1,000)	56						56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	59	571.00	149.00	306.00	822.00	1,538.00	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60						60
	WATER QUALITY CONTROL DATA							
61	COOLING WATER: SOURCE	61	R OHIO	R TENNESSEE	R TENNESSEE	R TENNESSEE	R CUMBERLAND	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62	2,184.00	359.00	1,143.00	839.00	2,290.00	62
63	AVERAGE RATE OF DISCHARGE (CFS)	63	2,158.00	354.00	1,133.00	824.00	2,289.00	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	64	18.78 26.00	3.43 5.00	9.83 10.00	7.22 15.00	19.75 7.00	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	65	SEP DEC	SEP DEC	SEP DEC	SEP DEC	SEP DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66	82.00 49.00	82.00 53.00	83.00 52.00	83.00 52.00	89.00 52.00	66
67	AT OUTFALL, SUMMER - WINTER	67	94.00 61.00	92.00 63.00	98.00 67.00	98.00 67.00	101.00 64.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	68	176,000.00	22,000.00	34,000.00	34,000.00	8,500.00	68
69	- WINTER	69	313,000.00	30,000.00	46,000.00	46,000.00	33,600.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	70	C	C	C	H	H	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71	6.90	1.87		.31		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72				13.94	646.61	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73						73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74	28.45	10.25	7.96	6.56		74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75	46.00 .90		.92	.63	.90	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	76	YES	YES	YES	YES	YES YES	76
77	SEWAGE DISPOSAL: METHOD RS, ST, SW, OT[18]	77	ST	ST	ST	ST	OT	77
78	RECEIVING WATER BODY	78	P OHIO	R TENNESSEE	R TENNESSEE	R TENNESSEE	R CUMBERLAND	78
79	POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING	79	10.80	8.00	10.10	10.10	11.20	79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80	15.00	64.00	20.00	20.00	39.00	80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING	81						81
82		82	930.00	1,600.00	951,280.00	951,280.00	16.24	82
	COOLING FACILITY DATA							
83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	83	10 1,750.00	4 240.00	6 853.00	2 1,125.01	2 2,600.00	83
84	ONCE THROUGH COOLING (SALINE)	84						84
85	COOLING PONDS[3]	85						85
86	COOLING TOWERS[3]	86						86
87	COMBINATIONS[21]	87						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88	1953 1956	1942 1945	1952 1954	1960 1964	1972 1973	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	89	12.30	6.90	11.60 12.20	18.30 20.90	11.70	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90	2,397.00	625.60	1,371.00	1,062.80	3,600.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91	2,496.40	625.60	1,425.94	1,149.70	8,448.00	91
	CAPITAL COSTS OF COOLING FACILITIES							
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92	9,730.00	652.00	2,706.00	2,620.00		92
93	COOLING PONDS ($1,000)	93						93
94	COOLING TOWERS ($1,000)	94						94
	ANNUAL COOLING WATER EXPENSES							
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95	80.00	21.00	33.00	76.00	36.00	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96	6.00				.50	96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES							
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97	131.00	15.00	42.00	38.00	96.00	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98	20.00	3.00	32.00	32.00	139.00	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	TEXAS ELECTRIC SERVICE CO.	TEXAS ELECTRIC SERVICE CO.	TEXAS ELECTRIC SERVICE CO.	TEXAS ELECTRIC SERVICE CO.	TEXAS ELECTRIC SERVICE CO.
2						
3						
4	NAME OF PLANT	EAGLE MOUNTAIN	GRAHAM	HANDLEY	MORGAN CREEK	NORTH MAIN
5	UTILITY-PLANT CODE	478000-0100	478000-0200	478000-0300	478000-0400	478000-0500
6	STATE	TEXAS	TEXAS	TEXAS	TEXAS	TEXAS
7	COUNTY	TARRANT	YOUNG	TARRANT	MITCHELL	TARRANT
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	215 12	210 12	215 12	210 12	215 12
9	PLANT CAPACITY (MW)	706.15	634.78	523.35	645.76	116.25
10	ANNUAL GENERATION (MWH)[3]	1,346,000	2,417,600	1,870,700	3,739,500	75,000
11	PLANT HEAT RATE (BTU/KWH)[3]	12,110	10,089	10,120	10,261	13,248

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)					
13	AVERAGE HEAT CONTENT (BTU/LB)					
14	AVERAGE SULFUR CONTENT (%)					
15	AVERAGE ASH CONTENT (%)					
16	AVERAGE MOISTURE CONTENT (%)				3.00	3.00
17	OIL: CONSUMPTION (1,000 BARRELS)	1.00				
18	AVERAGE HEAT CONTENT (BTU/GAL)	142,857			142,857	142,857
19	AVERAGE SULFUR CONTENT (%)	.60			.80	.80
20	GAS: CONSUMPTION (1,000 MCF)	15,841.00	23,628.00	18,422.00	36,252.00	949.00
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,029	1,029	1,027	1,058	1,031

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	3		2		4		6		8			22
23	- NO. OF WET BOTTOM												23
24	- NO. WITH FLY ASH REINJECTION												24
25	- NO. WITH MECHANICAL PRECIPITATORS												25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS												26
27	- NO. WITH COMBINATION PRECIPITATORS[4]												27
28	- NO. WITH DESULFURIZATION SYSTEMS												28
29	- EXCESS AIR USED (%). LOWEST BOILER - HIGHEST BOILER[5]	7.00	10.00	6.50	8.00	8.00	14.50	8.00	20.00	20.00			29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH												30
31	TESTED, LOW - HIGH												31
32	ESTIMATED, LOW - HIGH												32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH												33
34	TESTED, LOW - HIGH												34
35	EST., LOW - HIGH												35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH												36
37	TESTED, LOW - HIGH												37
38	ESTIMATED, LOW - HIGH												38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS?: PARTICULATE MATTER (1,000 TONS)							.01		.01			39
40	SULFUR DIOXIDE (1,000 TONS)							7.06		.19			40
41	NITROGEN OXIDES (1,000 TONS)	3.09		4.61		3.59							41
42	STACKS: - TOTAL NO.	2		3		4		6		4			42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	166.50	225.00	163.00	177.00	150.00	184.00	150.00	182.00	256.00	321.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]												44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]												45
46	SOLD (1,000 TONS)[11]												46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)												47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]												48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)												49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)												50
51	ELECTROSTATIC PRECIPITATORS ($1,000)												51
52	COMBINATION PRECIPITATORS ($1,000)[4]												52
53	DESULFURIZATION SYSTEMS ($1,000)												53
54	STACKS ($1,000)	66.00				158.00		88.00		114.00			54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)												55
56	REVENUES FROM SALE OF ASH ($1,000)												56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)												57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)												58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]												59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)												60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	L EAGLE MT		L GRAHAM		L ARLINGTON		L COLORADO CITY		R TRINITY			61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	369.80		435.50		366.40				.50			62
63	AVERAGE RATE OF DISCHARGE (CFS)	367.20		432.50		363.80				.10			63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	2.60		3.40		2.60		5.40		.20			64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	SEP	DEC	SEP	DEC	SEP	DEC	SEP	DEC	SEP	DEC		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT CIVERSION, SUMMER - WINTER	86.00	54.00	86.00	68.00	91.90		85.00	56.00				66
67	AT OUTFALL, SUMMER - WINTER	103.00	68.00	101.00	86.00	108.50		104.00	73.00	82.80	63.20		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER												68
69	- WINTER												69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	C		C		G		C		C			70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		1.63		.30		.26		1.50		.15		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		21.58		46.54		.70		90.59				72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP		24.88		26.00				102.00	75.13			73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP												74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	13.00		28.00		30.00		17.00		2.00			75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP		YES		YES		YES		YES	YES	YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT		PS		PS		ST		PS			77
78	RECEIVING WATER BODY	L EAGLE MOUNTAIN											78
79	POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING												79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING												80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING												81
82													82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)												83
84	ONCE THROUGH COOLING (SALINE)												84
85	COOLING POND(S)	3	706.20	2	635.00	3	523.35	6	745.76	2	35.00		85
86	COOLING TOWER(S)									1	81.25		86
87	COMBINATIONS[21]												87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1954	1971	1960	1969	1957	1963	1950	1966	1918	1952		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	21.10	28.00	14.00	20.00	16.00	17.00			13.00	19.00		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)		648.20		753.00		755.00		1,100.10		211.70		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)												91

CAPITAL COSTS OF COOLING FACILITIES

92							92
93	ONCE THROUGH COOLING SYSTEMS ($1,000)						93
94	COOLING PONDS ($1,000)					477.00	94
	COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

95							95
96	OPERATION AND MAINTENANCE EXPENSES ($1,000)	3.64	7.84	8.40	4.08	6.40	96
	COST OF CHEMICAL ADDITIVES ($1,000)						

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97							97
98	OPERATION AND MAINTENANCE EXPENSES ($1,000)	10.09	13.00	5.20	42.39	.65	98
	COST OF CHEMICAL ADDITIVES ($1,000)						

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	TEXAS ELECTRIC SERVICE CO.	TEXAS POWER & LIGHT CO.	TEXAS POWER & LIGHT CO.	TEXAS POWER & LIGHT CO.	TEXAS POWER & LIGHT CO.	
4	NAME OF PLANT	PERMIAN BASIN	BIG BROWN	COLLIN	DECORDOVA	LAKE CREEK	
5	UTILITY-PLANT CODE	478000-0600	478500-0250	478500-0300	478500-0350	478500-0500	
6	STATE	TEXAS	TEXAS	TEXAS	TEXAS	TEXAS	
7	COUNTY	WARD	FREESTONE	COLLIN	HOOD	MCLENNAN	
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	218 13	212 12	215 12	215 12	212 12	
9	PLANT CAPACITY (MW)	700.45	1,180.80	156.25	726.35	315.63	
10	ANNUAL GENERATION (MWH)[3]	3,000,200	7,284,000	192,900	1,608,000	1,410,700	
11	PLANT HEAT RATE (BTU/KWH)[3]	10,258	10,439	11,063	10,888	10,962	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)			5,471.40				12
13	AVERAGE HEAT CONTENT (BTU/LB)			6,750				13
14	AVERAGE SULFUR CONTENT (%)			.60				14
15	AVERAGE ASH CONTENT (%)			10.40				15
16	AVERAGE MOISTURE CONTENT (%)			30.80				16
17	OIL: CONSUMPTION (1,000 BARRELS)	4.00			5.25	12.35	11.00	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	142,657			147,830	138,366	150,060	18
19	AVERAGE SULFUR CONTENT (%)	1.20			.40	.10	.20	19
20	GAS: CONSUMPTION (1,000 MCF)	30,479.00		503.60	2,295.99	16,488.66	13,063.43	20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)[4]	1,008	1,027		916	1,218	1,069	21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	6	2		1	1	6	22
23	- NO. OF WET BOTTOM							23
24	- NO. WITH FLY ASH REINJECTION							24
25	- NO. WITH MECHANICAL PRECIPITATORS							25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS		2					26
27	- NO. WITH COMBINATION PRECIPITATORS[4]							27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	8.00 12.00	20.00		6.00	6.00	8.00 10.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH							32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH		97.30					33
34	TESTED, LOW - HIGH		97.70 97.80					34
35	EST., LOW - HIGH							35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)		10.88					39
40	SULFUR DIOXIDE (1,000 TONS)	.02	64.34	.01			.01	40
41	NITROGEN OXIDES (1,000 TONS)	5.95	49.34	.46	3.24		2.96	41
42	STACKS: - TOTAL NO.	5	2	2	1	5		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	150.00 230.00	400.00	196.00	208.85	150.00	181.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]		547.00					45
46	SOLD (1,000 TONS)[11]		61.90					46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							50
51	ELECTROSTATIC PRECIPITATORS ($1,000)		3,451.00					51
52	COMBINATION PRECIPITATORS ($1,000)[4]							52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	143.80	1,178.00	30.16	125.00	77.23		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)							55
56	REVENUES FROM SALE OF ASH ($1,000)		75.70					56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]							59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)		75.70					60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	W	C BIG BROWN	W	L ARTIFICIAL	K BRAZOS		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	9.90		.52	1,450.26	7.74		62
63	AVERAGE RATE OF DISCHARGE (CFS)	1.50	10.60	.25	1,448.37	1.83		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	8.40		.27	12.47 1.89	5.91		64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	SEP DEC	AUG DEC	JUN JAN	AUG NOV	JUN JAN		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	94.30 76.80						66
67	AT OUTFALL, SUMMER - WINTER	114.00 58.60						67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER							68
69	- WINTER							69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	C	U	C	C	H		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	7.98 .55		.30	.75	2.50		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	335.06	17.48	.05	47.28	200.42		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP							73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP							74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	16.00	54.00	10.00	9.00	10.00		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES	YES YES	YES	YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	ST	ST	ST	ST		77
78	RECEIVING WATER BODY		U COOLING POND					78
79	POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING		11.00					79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING							80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							81
82	- ASH SETTLING							82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)				1 729.35			83
84	ONCE THROUGH COOLING (SALINE)							84
85	COOLING POND(S)		2 1,180.80			2 315.63		85
86	COOLING TOWER(S)	6 700.50		1 156.25				86
87	COMBINATIONS[21]							87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1948 1973	1969	1955	1974	1953		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	20.00	15.40	15.00	17.00	12.00 16.00		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	759.60	1,514.00	188.00	1,450.26	556.00		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)				1,450.26			91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)				1,200.00			92
93	COOLING PONDS ($1,000)		6,308.00			1,008.92		93
94	COOLING TOWERS ($1,000)	1,625.00		794.14				94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)			61.41	275.00			95
96	COST OF CHEMICAL ADDITIVES ($1,000)	63.50	16.00	8.79	1.00	2.60		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)			36.70	5.00			97
98	COST OF CHEMICAL ADDITIVES ($1,000)	76.80	7.00	1.20	19.23	36.92		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	1	TEXAS POWER & LIGHT CO.	TEXAS POWER & LIGHT CO.	TEXAS POWER & LIGHT CO.	TEXAS POWER & LIGHT CO.	TEXAS POWER & LIGHT CO.	1
2		2						2
3		3						3
4	NAME OF PLANT	4	MONTICELLO	RIVER CREST	STRYKER	TRADINGHOUSE	TRINIDAD	4
5	UTILITY-PLANT CODE	5	478500-0575	478500-0600	478500-0700	478500-0850	478500-0900	5
6	STATE	6	TEXAS	TEXAS	TEXAS	TEXAS	TEXAS	6
7	COUNTY	7	TITUS	RED RIVER	CHEROKEE	MCLENNAN	HENDERSON	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	8	022 11	022 11	022 12	212 12	022 12	8
9	PLANT CAPACITY (MW)	9	1,186.80	112.50	703.48	1,379.70	412.10	9
10	ANNUAL GENERATION (MWH)[3]	10	4,230,000	178,300	3,172,300	4,653,700	663,200	10
11	PLANT HEAT RATE (BTU/KWH)[3]	11	10,579	12,378	10,111	9,794	11,043	11
	AIR QUALITY CONTROL DATA							
	FUEL CONSUMPTION DATA (ANNUAL)							
12	COAL: CONSUMPTION (1,000 TONS)	12	3,572.90					12
13	AVERAGE HEAT CONTENT (BTU/LB)	13	6,200					13
14	AVERAGE SULFUR CONTENT (%)	14	.48					14
15	AVERAGE ASH CONTENT (%)	15	15.40					15
16	AVERAGE MOISTURE CONTENT (%)	16	35.00					16
17	OIL: CONSUMPTION (1,000 BARRELS)	17	75.00	21.84		45.42	25.47	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	18	141,500	150,060		147,463	147,464	18
19	AVERAGE SULFUR CONTENT (%)	19	.20	.70		.10	.50	19
20	GAS: CONSUMPTION (1,000 MCF)	20		1,930.73	31,272.75	44,654.74	7,375.41	20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	21		1,074	1,025	1,013	971	21
	PLANT EQUIPMENT DATA							
22	BOILERS: - TOTAL NO.	22	2	1	2	2	9	22
23	- NO. OF WET BOTTOM	23						23
24	- NO. WITH FLY ASH REINJECTION	24						24
25	- NO. WITH MECHANICAL PRECIPITATORS	25						25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26	2					26
27	- NO. WITH COMBINATION PRECIPITATORS[4]	27						27
28	- NO. WITH DESULFURIZATION SYSTEMS	28						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	29	20.00	8.00	8.00	6.00 8.00	10.00 18.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30						30
31	TESTED, LOW - HIGH	31						31
32	ESTIMATED, LOW - HIGH	32						32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	33	98.60					33
34	TESTED, LOW - HIGH	34	90.00 94.00					34
35	EST., LOW - HIGH	35						35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36						36
37	TESTED, LOW - HIGH	37						37
38	ESTIMATED, LOW - HIGH	38						38
	PLANT OPERATING DATA AND COST OF EQUIPMENT							
39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	39	37.42			.01		39
40	SULFUR DIOXIDE (1,000 TONS)	40	33.66	.05		.02	.04	40
41	NITROGEN OXIDES (1,000 TONS)	41	32.32	.42	6.10	8.82	1.49	41
42	STACKS: - TOTAL NO.	42	2	2	4	2	6	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	43	400.00	156.00	161.00 147.00	170.00 198.00	141.75 390.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	44						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	45	661.00					45
46	SOLD (1,000 TONS)[11]	46						46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]	48						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50						50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51	3,774.00					51
52	COMBINATION PRECIPITATORS ($1,000)[4]	52						52
53	DESULFURIZATION SYSTEMS ($1,000)	53						53
54	STACKS ($1,000)	54	1,734.00	20.16	96.74	94.69	282.19	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55						55
56	REVENUES FROM SALE OF ASH ($1,000)	56						56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	59						59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60						60
	WATER QUALITY CONTROL DATA							
61	COOLING WATER: SOURCE	61	C BLUNDELL	F SULPHUR	L STRIKER	R BRAZOS	R TRINITY	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62	10.20		774.00	4.47	1.80	62
63	AVERAGE RATE OF DISCHARGE (CFS)	63	10.20		770.63	29.80	5.35	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	64			6.66 3.37	0.43	.92	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	65	AUG DEC	AUG JAN	AUG DEC	AUG JAN	JUL JAN	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66			92.00 57.00			66
67	AT OUTFALL, SUMMER - WINTER	67			104.00 70.00			67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	68						68
69	- WINTER	69						69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, D[16]	70	H	H	H	L	C	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71		9.00	.25		.75	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72	48.00	28.64	285.20	268.15	136.11	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73						73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74						74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75	68.00	.23	10.00	22.00	5.45	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	76	YES	YES	YES	YES	YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	77	OT	T	ST	ST	ST	77
78	[19] RECEIVING WATER BODY	78	C COOLING POND				O COOLING POND	78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	79	11.00					79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80						80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	81						81
82	- ASH SETTLING	82						82
	COOLING FACILITY DATA							
83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	83			2 703.48			83
84	ONCE THROUGH COOLING (SALINE)	84						84
85	COOLING POND(S)	85		1 112.50		2 1,379.70	6 412.15	85
86	COOLING TOWER(S)	86						86
87	COMBINATIONS[21]	87	2 1,186.80					87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88	1972	1953	1958	1969	1926 1965	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	89	16.00	26.00	14.00 16.00	14.00 19.00	12.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90	1,500.00	307.00	826.00	1,515.70	1,077.14	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91	1,500.00		826.00			91
	CAPITAL COSTS OF COOLING FACILITIES							
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92						92
93	COOLING PONDS ($1,000)	93	4,064.00	781.35		4,075.54	280.86	93
94	COOLING TOWERS ($1,000)	94						94
	ANNUAL COOLING WATER EXPENSES							
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95		1.00	65.78	85.00		95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96	20.00	.50	2.60	6.38	2.18	96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES							
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97		3.80	23.40	96.96		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98	17.00	8.20	40.19	75.03	16.40	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1 NAME OF UTILITY	TEXAS POWER & LIGHT CO.	THE CANAL ELECTRIC CO.	THE CENTRAL NEBRASKA PUB. PWR & IRRIGATION DIST	THE CINCINNATI GAS & ELECTRIC CO.	THE CINCINNATI GAS & ELECTRIC CO.	1
2						2
3						3
4 NAME OF PLANT	VALLEY	CANAL	CANADAY	MIAMI FORT	BECKJORD	4
5 UTILITY-PLANT CODE	478500-1000	479000-0100	479500-0100	480500-0200	480500-0300	5
6 STATE	TEXAS	MASSACHUSETTS	NEBRASKA	OHIO	OHIO	6
7 COUNTY	FANNIN	BARNSTABLE	GOSPER	HAMILTON	CLERMONT	7
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	215 11	120 01	146 10	079 05	079 05	8
9 PLANT CAPACITY (MW)	1,175.50	542.50	108.80	950.30	1,241.30	9
10 ANNUAL GENERATION (MWH)[3]	2,091,300	3,845,100	550,000	3,191,846	3,098,200	10
11 PLANT HEAT RATE (BTU/KWH)[3]	10,845	9,148	10,429	10,362	13,872	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)				1,513.10	2,338.70	12
13 AVERAGE HEAT CONTENT (BTU/LB)				10,386	10,466	13
14 AVERAGE SULFUR CONTENT (%)				2.00	2.63	14
15 AVERAGE ASH CONTENT (%)				16.63	20.21	15
16 AVERAGE MOISTURE CONTENT (%)				10.18	8.82	16
17 OIL: CONSUMPTION (1,000 BARRELS)	13.89	5,716.00	254.70	212.80	23.50	17
18 AVERAGE HEAT CONTENT (BTU/GAL)	147,460	146,702	150,000	137,093	137,300	18
19 AVERAGE SULFUR CONTENT (%)	.10	.95	.60	.50	.50	19
20 GAS: CONSUMPTION (1,000 MCF)	29,188.24		4,477.70			20
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)	998		923			21

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	3	1	1	8	6	22
23 - NO. OF WET BOTTOM				2		23
24 - NO. WITH FLY ASH REINJECTION						24
25 - NO. WITH MECHANICAL PRECIPITATORS						25
26 - NO. WITH ELECTROSTATIC PRECIPITATORS		1		1	0	26
27 - NO. WITH COMBINATION PRECIPITATORS[4]				1		27
28 - NO. WITH DESULFURIZATION SYSTEMS						28
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	8.00		11.00	20.00 45.00	20.00 25.00	29
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						30
31 TESTED, LOW - HIGH						31
32 ESTIMATED, LOW - HIGH						32
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH		90.00		96.00 99.50	99.50 1,132.00	33
34 TESTED, LOW - HIGH					59.70	34
35 EST., LOW - HIGH				96.00 99.50	95.00 59.70	35
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37 TESTED, LOW - HIGH						37
38 ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)		.10	.04	48.04	9.14	39
40 SULFUR DIOXIDE (1,000 TONS)		18.22	.51	79.24	120.55	40
41 NITROGEN OXIDES (1,000 TONS)	5.72	12.60	1.43	14.37	21.10	41
42 STACKS: - TOTAL NO.	4	1	1	4	5	42
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	142.00 189.00	498.00	167.00	232.00 800.00	300.00 452.00	43
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]		.60				44
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]		.80		236.00	466.00	45
46 SOLD (1,000 TONS)[11]		.80		11.00	4.00	46
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						50
51 ELECTROSTATIC PRECIPITATORS ($1,000)		4,600.00		4,335.00	15,835.00	51
52 COMBINATION PRECIPITATORS ($1,000)[4]				535.00		52
53 DESULFURIZATION SYSTEMS ($1,000)						53
54 STACKS ($1,000)	142.12	1,628.00	28.50	3,382.00	2,353.00	54
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		425.80		126.00	393.00	55
56 REVENUES FROM SALE OF ASH ($1,000)		37.50		5.00	.20	56
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		468.80		126.00	891.00	59
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)		37.50		5.00	2.00	60

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	R REO	O CAPE COD CANAL	O SUPPLY CANAL	R OHIO	R OHIO	61
62 AVERAGE RATE OF WITHDRAWAL (CFS)	3.55	370.00	130.00	470.00	749.00	62
63 AVERAGE RATE OF DISCHARGE (CFS)		370.00	130.00	460.00	749.00	63
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	3.55	3.18	1.12	10.00	6.44	64
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC	AUG DEC	AUG OCT	AUG DEC	AUG DEC	65
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER		72.00 50.00	75.00 54.00	84.00 43.00	86.00 42.00	66
67 AT OUTFALL, SUMMER - WINTER			83.00 68.00	94.00 60.00	100.00 73.00	67
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		82,000.00	1,013.00	32,000.00	32,000.00	68
69 - WINTER		82,000.00	810.00	116,000.00	116,000.00	69
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	H	C	C	C	C	70
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.53		.04	.15	.09	71
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	165.90			.10	.15	72
73 LIME (TONS), COOLING WATER - BOILER MAKEUP						73
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP						74
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	1.00	1.70	2.00	53.00	6.00	75
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES YES	YES YES	YES YES	YES	76
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	ST	OT	OT	ST	77
78 RECEIVING WATER BODY[18]				R OHIO	R OHIO	78
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING				9.00 8.90	9.00 10.10	79
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING				20.00	.01	80
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN				6,500.00	1,641.00	81
82 - ASH SETTLING				161,000.00	161,280.00	82

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)			1 108.80	4 393.20	6 1,164.00	83
84 ONCE THROUGH COOLING (SALINE)		1 542.50				84
85 COOLING PONDS	3 1,175.50					85
86 COOLING TOWER(S)				1 557.00		86
87 COMBINATIONS[21]						87
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1962	1968	1958	1938 1975	1952 1969	88
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	14.00	28.00	17.50	10.00 26.00	17.00 23.00	89
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,295.00	350.00	134.00	1,079.00	1,146.00	90
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		373.00	133.00	650.00	1,146.00	91

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)		1,500.00	226.40	268.00	1,116.00	92
93 COOLING PONDS ($1,000)	918.21					93
94 COOLING TOWERS ($1,000)				7,150.00		94

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	4.00	82.20	6.10	83.00	209.00	95
96 COST OF CHEMICAL ADDITIVES ($1,000)	2.20	1.10	4.00	19.00	2.00	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	6.20	11.60	7.90	206.00	266.00	97
98 COST OF CHEMICAL ADDITIVES ($1,000)	34.00	9.60	.80	73.00	122.00	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	THE CINCINNATI GAS & ELECTRIC CO.	THE CONNECTICUT LIGHT & POWER CO.	THE CONNECTICUT LIGHT & POWER CO.	THE CONNECTICUT LIGHT & POWER CO.	THE DAYTON POWER & LIGHT CO.	1
2							2
3							3
4	NAME OF PLANT	WEST END	DEVON	MONTVILLE	NORWALK HARBOR	TAIT	4
5	UTILITY-PLANT CODE	480500-0400	481000-0300	481000-0500	481000-0600	481500-0200	5
6	STATE	OHIO	CONNECTICUT	CONNECTICUT	CONNECTICUT	OHIO	6
7	COUNTY	HAMILTON	NEW HAVEN	NEW LONDON	FAIRFIELD	MONTGOMERY	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	079 05	042 01	041 01	043 01	173 05	8
9	PLANT CAPACITY (MW)	219.25	454.00	577.40	326.40	448.60	9
10	ANNUAL GENERATION (MWH)[3]	125,500	1,564,700	1,307,300	1,915,600	1,054,600	10
11	PLANT HEAT RATE (BTU/KWH)[3]	15,561	10,891	11,487	10,026	11,083	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)						500.90	12
13	AVERAGE HEAT CONTENT (BTU/LB)						11,097	13
14	AVERAGE SULFUR CONTENT (%)						1.04	14
15	AVERAGE ASH CONTENT (%)						15.81	15
16	AVERAGE MOISTURE CONTENT (%)						7.67	16
17	OIL: CONSUMPTION (1,000 BARRELS)		2,733.70	2,490.50	3,142.83		73.50	17
18	AVERAGE HEAT CONTENT (BTU/GAL)		148,430	143,530	145,178		136,000	18
19	AVERAGE SULFUR CONTENT (%)		.26	.47	.48		.20	19
20	GAS: CONSUMPTION (1,000 MCF)	1,538.10					41.50	20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,009					1,045	21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	6	12	6	2	6		22
23	- NO. OF WET BOTTOM							23
24	- NO. WITH FLY ASH REINJECTION							24
25	- NO. WITH MECHANICAL PRECIPITATORS			2				25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS		4	3		1		26
27	- NO. WITH COMBINATION PRECIPITATORS[4]		4		2	5		27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	25.00		3.00 23.00	22.00	20.00 25.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH			20.00				32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH		86.00 98.00	91.00 97.00	99.00	95.00 99.50		33
34	TESTED, LOW - HIGH		95.60 98.70	94.00 99.40	98.70 99.40	67.90 93.20		34
35	EST., LOW - HIGH		30.00 45.00			71.00 94.00		35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)		.28	.26		5.01		39
40	SULFUR DIOXIDE (1,000 TONS)		2.57	3.93	5.06	10.26		40
41	NITROGEN OXIDES (1,000 TONS)	.38	6.03	5.49	6.93	4.68		41
42	STACKS: - TOTAL NO.	3	7	4	1	4		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	206.00 220.00	357.50	171.00 390.00	350.00	307.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]		.22					44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]		.10		.25	75.20		45
46	SOLD (1,000 TONS)[11]							46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			36.00				50
51	ELECTROSTATIC PRECIPITATORS ($1,000)			548.00		4,000.00		51
52	COMBINATION PRECIPITATORS ($1,000)[14]				834.00	922.00		52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	78.00		751.00	276.50	138.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		13.80		53.70	205.50		55
56	REVENUES FROM SALE OF ASH ($1,000)							56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		85.90	23.60	101.00	205.50		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)							60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	P OHIO	P HOUSATONIC	R THAMES	O LONG ISLAND SO	R GREAT MIAMI		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	201.00	287.00	608.00	342.00	219.70		62
63	AVERAGE RATE OF DISCHARGE (CFS)	201.00	287.00	608.00	342.00	218.90		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	1.73	2.47	5.23	2.94	1.69 .80		64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	JUN DEC	JUN DEC	JUN DEC	AUG DEC		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	86.00	75.00 50.70	53.00 41.00	66.00 48.00	84.00 52.00		66
67	AT OUTFALL, SUMMER - WINTER	97.00	89.00 70.30	95.00 78.00	83.00 74.00	95.00 72.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	250.00				881.00		68
69	- WINTER					2,418.00		69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	H	H	C	C		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.54	.50	.40	.30	.05		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.03	.15	.10	11.00	72.51		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP					9.02		73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP							74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP		20.00		68.63	30.00		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES YES	YES	YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	RS	ST		ST	RS		77
78	RECEIVING WATER BODY[19]							78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		7.00		7.20	8.00		79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		30.00			50.00		80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							81
82	- ASH SETTLING		12,200.00		230,000.00	38,060.00		82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MWI USING[20]: ONCE THROUGH COOLING (FRESH)	2 209.00				5 388.60		83
84	ONCE THROUGH COOLING (SALINE)		7 454.00	5 562.50	2 326.40			84
85	COOLING POND(S)							85
86	COOLING TOWER(S)							86
87	COMBINATION[21]							87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1918	1924 1958	1936 1971	1960 1963	1942 1959		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	10.00	11.70 17.30	13.00 25.00		12.00 15.00		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	540.00	774.10	656.00	440.00	595.60		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	540.00	774.10	656.00	440.00	595.60		91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	336.00				1,198.00		92
93	COOLING PONDS ($1,000)							93
94	COOLING TOWERS ($1,000)							94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	76.00	164.60	8.50	134.30	132.00		95
96	COST OF CHEMICAL ADDITIVES ($1,000)		4.30	16.30	24.80	6.06		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	80.00	165.60	14.20	34.00	26.00		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	24.00	42.40	3.90	12.90	18.00		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	THE DAYTON POWER & LIGHT CO.	THE DAYTON POWER & LIGHT CO.	THE DETROIT EDISON CO.	THE DETROIT EDISON CO.	THE DETROIT EDISON CO.	1
2							2
3							3
4	NAME OF PLANT	HUTCHINGS	STUART	CONNERS CREEK	DELRAY	FERMI	4
5	UTILITY-PLANT CODE	481500-0300	481500-0400	482000-0200	482000-0400	482000-0500	5
6	STATE	OHIO	OHIO	MICHIGAN	MICHIGAN	MICHIGAN	6
7	COUNTY	MONTGOMERY	ADAMS	WAYNE	WAYNE	MONROE	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	173 05	103 05	123 04	123 04	124 04	8
9	PLANT CAPACITY (MW)	414.00	2,400.00	540.00	375.00	138.00	9
10	ANNUAL GENERATION (MWH)[3]	1,221,000	11,165,000	1,641,300	1,195,300	61,000	10
11	PLANT HEAT RATE (BTU/KWH)[3]	10,745	9,661	13,610	18,837	15,611	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	552.50	5,046.90	675.00				12
13	AVERAGE HEAT CONTENT (BTU/LB)	11,835	10,673	11,777				13
14	AVERAGE SULFUR CONTENT (%)	.90	1.89	1.23				14
15	AVERAGE ASH CONTENT (%)	12.71	19.20	12.06				15
16	AVERAGE MOISTURE CONTENT (%)	7.04	6.72	6.61				16
17	OIL: CONSUMPTION (1,000 BARRELS)		24.20	199.39	317.71	139.50		17
18	AVERAGE HEAT CONTENT (BTU/GAL)		139,587	130,845	148,261	137,982		18
19	AVERAGE SULFUR CONTENT (%)		.50	.30	1.01	.30		19
20	GAS: CONSUMPTION (1,000 MCF)	98.90		5,147.00	22,845.00			20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,045		1,028	866			21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	6	4	11	12	1		22
23	- NO. OF WET BOTTOM							23
24	- NO. WITH FLY ASH REINJECTION							24
25	- NO. WITH MECHANICAL PRECIPITATORS							25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	6	4					26
27	- NO. WITH COMBINATION PRECIPITATORS[4]			4				27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00	18.00	24.50 25.00	15.00	10.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH							32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	99.50	98.00 99.50	98.00				33
34	TESTED, LOW - HIGH	99.80 99.90	88.20 99.60	98.60 98.90				34
35	EST., LOW - HIGH	99.80 99.90	85.00 99.50	99.00				35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.10	39.16	.73	.05	.03		39
40	SULFUR DIOXIDE (1,000 TONS)	9.75	186.90	17.80	1.08	.16		40
41	NITROGEN OXIDES (1,000 TONS)	4.99	45.45	7.52	5.16	.35		41
42	STACKS: - TOTAL NO.	3	4	7	6	1		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	250.00	800.00	252.00	270.00	158.50		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	69.80	901.00	79.90				45
46	SOLD (1,000 TONS)[11]			21.30				46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	5,183.00	11,448.00					51
52	COMBINATION PRECIPITATORS ($1,000)[4]			2,262.00				52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	288.00	10,028.00	405.00	104.00	110.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	363.00	892.00	191.00				55
56	REVENUES FROM SALE OF ASH ($1,000)							56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	364.00	924.00	480.00	24.00	8.00		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)			43.00				60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	R GREAT MIAMI	R OHIO	R DETROIT	R DETROIT	L ERIE		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	252.80	1,178.00	573.00	649.00	82.00		62
63	AVERAGE RATE OF DISCHARGE (CFS)	252.20	981.00	573.00	649.00	82.00		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	2.17 .60	10.13 197.00	4.93	5.58	.71		64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]			AUG DEC	AUG DEC	AUG DEC		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	87.20 53.80	85.00 48.00	71.00 43.00	75.00 35.00	74.00 37.00		66
67	AT OUTFALL, SUMMER - WINTER	100.00 73.20	110.00 73.00	85.00 59.00	82.00 44.00	96.00 76.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	1,084.00	32,000.00	245,000.00	238,000.00			68
69	- WINTER	2,839.00	116,000.00	236,000.00	226,000.00			69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	C	C	D	O	D		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.00 .15	4.00	1.05	6.05			71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.01	479.78		872.10			72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	37.10						73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP							74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	60.00	40.00	30.00	3.00	4.00		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT	OT	OT	OT	OT		77
78	RECEIVING WATER BODY[19]	R GREAT MIAMI	R OHIO			L ERIE		78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	8.50	6.90	8.90 8.00	11.00	8.50		79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	594.00	10.00	200.00				80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN			4,250.00				81
82	- ASH SETTLING	84,600.00	1,432.20	40,000.00	.66	.09		82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	6 414.00	3 1,830.60	7 510.00	6 375.00	1 138.00		83
84	ONCE THROUGH COOLING (SALINE)							84
85	COOLING POND(S)							85
86	COOLING TOWER(S)		1 610.20					86
87	COMBINATIONS[21]							87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1948 1953	1970 1974	1934 1951	1929 1942	1966		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	13.40 16.50	22.00	17.00 19.00	13.00 19.00	25.00		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	579.00	1,924.00	1,250.00	1,710.00	290.00		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	579.00	1,443.00	1,250.00	1,710.00	290.00		91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	983.00	12,767.00	1,434.00	451.00	912.00		92
93	COOLING PONDS ($1,000)							93
94	COOLING TOWERS ($1,000)		7,382.00					94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	161.00	1,308.00	348.00	150.00	9.00		95
96	COST OF CHEMICAL ADDITIVES ($1,000)	15.00	10.00		2.00			96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	26.00	108.00	630.00	887.00	210.00		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	6.00	301.00	10.00	179.00	6.00		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	1	THE DETROIT EDISON CO.		THE DETROIT EDISON CO.		THE DETROIT EDISON CO.		THE DETROIT EDISON CO.		THE DETROIT EDISON CO.	1
2		2										2
3		3										3
4	NAME OF PLANT	4	HARBOR BEACH		MARYSVILLE		PENNSALT		RIVER ROUGE		ST. CLAIR	4
5	UTILITY-PLANT CODE	5	482000-0700		482000-0800		482000-1000		482000-1200		482000-1400	5
6	STATE	6	MICHIGAN		MICHIGAN		MICHIGAN		MICHIGAN		MICHIGAN	6
7	COUNTY	7	HURON		ST. CLAIR		WAYNE		WAYNE		ST. CLAIR	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	8	125 04		123 04		123 04		123 04		123 04	8
9	PLANT CAPACITY (MW)	9	121.00		260.00		37.00		933.00		1,905.00	9
10	ANNUAL GENERATION (MWH)[3]	10	577,000		795,900		72,000		2,662,100		8,610,000	10
11	PLANT HEAT RATE (BTU/KWH)[3]	11	10,796		14,156		50,609		10,555		9,600	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	12	270.00		472.00		137.00		135.00		2,589.00	12
13	AVEPAGE HEAT CONTENT (BTU/LB)	13	11,265		11,842		11,438		11,664		10,970	13
14	AVEPAGE SULFUR CONTENT (%)	14	2.73		2.13		1.61		2.63		2.01	14
15	AVERAGE ASH CONTENT (%)	15	14.70		13.17		13.03		13.45		11.58	15
16	AVERAGE MOISTURE CONTENT (%)	16	7.86		5.67		8.09		7.19		10.72	16
17	OIL: CONSUMPTION (1,000 BARRELS)	17	25.90				88.53		3,761.31		2,671.86	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	18	136,754				137,159		148,864		148,357	18
19	AVERAGE SULFUR CONTENT (%)	19	.32				.30		1.00		1.01	19
20	GAS: CONSUMPTION (1,000 MCF)	20			90.00				8,543.00		413.00	20
21	AVEPAGE HEAT CONTENT (BTU/CU.FT.)	21			1,002				167		1,000	21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	22	1		4		4		3		7	22
23	- NO. OF WET BOTTOM	23	1									23
24	- NO. WITH FLY ASH REINJECTION	24										24
25	- NO. WITH MECHANICAL PRECIPITATORS	25										25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26	1		4						2	26
27	- NO. WITH COMBINATION PRECIPITATORS[4]	27					2		3		5	27
28	- NO. WITH DESULFURIZATION SYSTEMS	28										28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	29	20.00		22.00		22.00	8.00	18.00	10.00	23.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30										30
31	TESTED, LOW - HIGH	31										31
32	ESTIMATED, LOW - HIGH	32										32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	33	99.60		99.00		97.66	97.40	97.80	91.60	99.60	33
34	TESTED, LOW - HIGH	34	99.40	99.30	99.60	96.50	96.70		97.20	95.20	99.60	34
35	EST., LOW - HIGH	35	99.00	97.50	98.30		96.00		97.20	95.00	98.40	35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36										36
37	TESTED, LOW - HIGH	37										37
38	ESTIMATED, LOW - HIGH	38										38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	39	.26		1.16		.62		.45		10.90	39
40	SULFUR DIOXIDE (1,000 TONS)	40	14.47		19.71		4.41		19.58		126.81	40
41	NITROGEN OXIDES (1,000 TONS)	41	4.11		4.27		1.43		11.17		32.87	41
42	STACKS: - TOTAL NO.	42	1		2		4		3		7	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	43	300.00		300.00		223.00	385.00	425.00	250.00	600.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	44										44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	45	40.00		60.90		17.10		17.70		276.20	45
46	SOLD (1,000 TONS)[11]	46					.90		4.30			46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47										47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]	48										48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49										49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50										50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51	455.00		900.00						5,472.00	51
52	COMBINATION PRECIPITATORS ($1,000)[4]	52					1,096.00		5,712.00		5,099.00	52
53	DESULFURIZATION SYSTEMS ($1,000)	53										53
54	STACKS ($1,000)	54	241.00		64.00		50.00		817.00		2,794.00	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55	94.00		141.00		25.00		38.00		541.00	55
56	REVENUES FROM SALE OF ASH ($1,000)	56										56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57										57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58										58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	59	125.00		363.00		98.00		117.00		1,281.00	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60					2.00		4.00			60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	61	L HURON		R ST CLAIR		R DETROIT		R DETROIT		R ST CLAIR	61
62	AVEPAGE RATE OF WITHDRAWAL (CFS)	62	154.00		272.00		19.80		1,041.00		2,290.00	62
63	AVEPAGE RATE OF DISCHARGE (CFS)	63	154.00		272.00		18.40		1,041.00		2,290.00	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	64	1.32		2.34		.17	1.40	8.95		19.69	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	65	AUG	DEC	AUG	DEC	AUG	DEC	AUG	DEC	AUG	DEC	65
66	MAX. TEMP. DUPING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66	70.00	35.00	73.00	46.00	77.00	35.00	78.00	46.00	70.00	40.00	66
67	AT OUTFALL, SUMMER - WINTER	67	84.00	53.00	86.00	58.00	88.00	45.00	93.00	58.00	85.00	55.00	67
68	AVE. FLOW IN RECEIVING BODY DUPING PEAK MONTH (CFS): SUMMER	68			387,000.00		245,000.00		245,000.00		174,000.00		68
69	- WINTER	69			286,000.00		236,000.00		236,000.00		227,000.00		69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	70	O		D		O		O		D		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71		.10		1.03		2.41		1.50		.70	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72				.09		.40		425.00			72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73						138.06				21.82	73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74					17.32			300.00		144.00	74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75	5.00		2.00				235.00		19.00		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	76		YES		YES		YES		YES		YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	77	OT		OT		OT		OT		OT		77
78	RECEIVING WATER BODY	78											78
79	POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING	79	8.50	8.00	11.00	8.00	11.00	8.50	8.90	8.00	11.00	8.00	79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80		30.00		540.00		50.00		15.00		15.00	80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING	81		155.00		3.60		6,900.00		840.00		3,380.00	81
82		82		7,400.00		68,300.00		12,300.00		13,000.00		18,800.00	82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	83	1	121.00	3	200.00	5	23.50	3	933.00	7	1,905.00	83
84	ONCE THROUGH COOLING (SALINE)	84											84
85	COOLING POND(S)	85											85
86	COOLING TOWER(S)	86											86
87	COMBINATIONS[21]	87											87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88		1968	1930	1947		1964	1956	1958	1953	1969	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	89		13.00	11.00	15.00			15.00	17.00	15.00	20.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90		200.00		424.00		67.00		1,004.00		2,070.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91		200.00		300.00		67.00		1,004.00		2,070.00	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92		362.00		136.00		16.00		2,256.00		4,031.00	92
93	COOLING PONDS ($1,000)	93											93
94	COOLING TOWERS ($1,000)	94											94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95		24.00		181.00		72.00		137.00		225.00	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96											96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97		261.00		619.00		360.00		963.00		1,717.00	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98		1.00		34.00		15.00		92.00		60.00	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	THE DETROIT EDISON CO.	THE DETROIT EDISON CO.	THE DETROIT EDISON CO.	THE HARTFORD ELECTRIC LIGHT CO.	THE HARTFORD ELECTRIC LIGHT CO.
4	NAME OF PLANT	TRENTON CHANNEL	WYANDOTTE	MONROE	MIDDLETOWN	SOUTH MEADOW
5	UTILITY-PLANT CODE	482000-1600	482000-1700	482000-1800	483000-0300	483000-0400
6	STATE	MICHIGAN	MICHIGAN	MICHIGAN	CONNECTICUT	CONNECTICUT
7	COUNTY	WAYNE	WAYNE	MONROE	MIDDLESEX	HARTFORD
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	123 04	123 04	124 06	042 01	042 01
9	PLANT CAPACITY (MW)	776.00	47.00	3,280.00	830.90	216.75
10	ANNUAL GENERATION (MWH)[3]	3,904,800	127,000	15,676,400	3,421,000	85,300
11	PLANT HEAT RATE (BTU/KWH)[3]	10,360	67,502	9,670	10,449	12,724

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	1,673.00	221.00	6,199.00					12
13	AVERAGE HEAT CONTENT (BTU/LB)	11,616	11,360	12,096					13
14	AVERAGE SULFUR CONTENT (%)	1.61	.83	2.72					14
15	AVERAGE ASH CONTENT (%)	12.91	12.79	12.86					15
16	AVERAGE MOISTURE CONTENT (%)	7.44	8.97	6.17					16
17	OIL: CONSUMPTION (1,000 BARRELS)	273.77	312.71	287.38	5,907.33	222.50			17
18	AVERAGE HEAT CONTENT (BTU/GAL)	136,935	136,953	136,000	144,045	143,440			18
19	AVERAGE SULFUR CONTENT (%)	.30	.29	.30	.44	.43			19
20	GAS: CONSUMPTION (1,000 MCF)		1,718.00			.06			20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,020			1,000			21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	5	5	4	5	6				22
23	- NO. OF WET BOTTOM		4		2					23
24	- NO. WITH FLY ASH REINJECTION				1					24
25	- NO. WITH MECHANICAL PRECIPITATORS					3				25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	5	2	4	2					26
27	- NO. WITH COMBINATION PRECIPITATORS[4]		2		1					27
28	- NO. WITH DESULFURIZATION SYSTEMS									28
29	- EXCESS AIR USED (%, LOWEST BOILER - HIGHEST BOILER[5])	18.00 23.70	18.00 26.00	18.00	3.00 18.00	12.00 28.00				29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH					87.00				30
31	TESTED, LOW - HIGH									31
32	ESTIMATED, LOW - HIGH									32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	99.00 99.40	99.00 99.60	99.60	97.00 98.50	3.00 35.00				33
34	TESTED, LOW - HIGH	99.00 99.50	98.50 98.90	98.00 99.60	97.20 98.80					34
35	EST., LOW - HIGH	95.00 99.40	97.00 98.00	98.70 99.70	67.00					35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH									36
37	TESTED, LOW - HIGH									37
38	ESTIMATED, LOW - HIGH									38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	6.81	.42	4.85	.63	.03			39
40	SULFUR DIOXIDE (1,000 TONS)	70.22	3.90	330.77	8.72	.32			40
41	NITROGEN OXIDES (1,000 TONS)	20.58	4.34	56.42	13.02	.49			41
42	STACKS: - TOTAL NO.	2	5	2	4	5			42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	563.00	229.00	800.00	266.00 498.00	164.90 206.50			43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]				.64	.02			44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	208.90	28.00	796.00	.04	.04			45
46	SOLD (1,000 TONS)[11]	55.00	2.30						46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)								47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]								48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)								49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)								50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	6,027.00	1,170.00	18,198.00					51
52	COMBINATION PRECIPITATORS ($1,000)[4]		994.00						52
53	DESULFURIZATION SYSTEMS ($1,000)								53
54	STACKS ($1,000)	828.00		5,754.00	2,139.50	45.26			54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	307.00	81.00	72.00	47.04	83.23			55
56	REVENUES FROM SALE OF ASH ($1,000)	173.00							56
57	SULFUR BYPRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)								57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)								58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	721.00	180.00	1,433.00	226.96	89.94			59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	173.00	6.00						60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	R DETROIT	R DETROIT	R RAISIN/LK ERIE	R CONNECTICUT	R CONNECTICUT			61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	660.00	70.10	2,650.00	233.00	136.00			62
63	AVERAGE RATE OF DISCHARGE (CFS)	660.00	28.00	2,050.00	230.00	136.00			63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	5.08	42.10	17.63	2.00 3.00	1.17			64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC	AUG DEC	JUN DEC	JUN DEC			65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	73.00 38.00	78.00 38.00	78.00 44.00	80.00 42.60	82.00 34.00			66
67	AT OUTFALL, SUMMER - WINTER	88.00 57.00	97.00 64.00	92.00 61.00	101.00 84.20	100.00 34.00			67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	599,100.00	215,000.00		15,070.00	14,520.00			68
69	- WINTER	561,700.00	209,000.00		20,520.00	19,770.00			69
70	FREQUENCY OF TEMPERATURE MONITORING: C, M, O, Q[16]	O	O	O	C	C			70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.25	7.00		.25	.18			71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	344.69		1,455.55		.18			72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	118.50	266.15						73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP		64.84						74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	94.90	18.00	46.00 126.00	38.00	5.00			75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[4]	YES	YES	YES	YES	YES			76
77	SEWAGE DISPOSAL: METHOD RS, ST, SW, OT[18]	OT	OT	PS	ST	PS			77
78	[18] RECEIVING WATER BODY								78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	11.00 8.00	8.50	9.00	7.30				79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	10.00	50.00	200.00					80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	2,040.00	12,500.00						81
82	- ASH SETTLING	16,930.00	24,000.00	292,000.00	111,664.28				82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	3 776.00	4 17.50	4 3,279.60	3 422.00	6 221.75			83
84	ONCE THROUGH COOLING (SALINE)								84
85	COOLING POND(S)								85
86	COOLING TOWER(S)				1 414.90				86
87	COMBINATIONS[21]								87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1949 1968	1965	1971 1974	1954 1973	1921 1950			88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	22.00 25.00	10.00 20.00	21.00	18.00 22.00	12.00			89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	800.00	46.00	2,984.00	882.80	508.00			90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	2,132.00	46.00	2,984.00	440.00	508.00			91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	935.00		6,883.00					92
93	COOLING PONDS ($1,000)								93
94	COOLING TOWERS ($1,000)				4,528.60				94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	309.00	137.00	291.00	630.50	27.00			95
96	COST OF CHEMICAL ADDITIVES ($1,000)		3.00		15.80	1.30			96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	1,056.00	770.00	2,293.00	98.08	5.90			97
98	COST OF CHEMICAL ADDITIVES ($1,000)	61.00	27.00	396.00	50.88	1.50			98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	THE KANSAS POWER & LIGHT CO.	THE KANSAS POWER & LIGHT CO.	THE KANSAS POWER & LIGHT CO.	THE KANSAS POWER & LIGHT CO.	THE MONTANA POWER CO.	1
2							2
3							3
4	NAME OF PLANT	HUTCHINSON	LAWRENCE	ABILENE	TECUMSEH	COLSTRIP	4
5	UTILITY-PLANT CODE	483500-0300	483500-0500	483500-0600	483500-0700	484500-0250	5
6	STATE	KANSAS	KANSAS	KANSAS	KANSAS	MONTANA	6
7	COUNTY	RENO	DOUGLAS	DICKINSON	SHAWNEE	ROSEBUD	7
8	AIR QUALITY CONTROL REGION NO.[1/] - WATER RESOURCE REGION NO.[2/]	099 11	095 10	096 10	095 10	143 10	8
9	PLANT CAPACITY (MW)	252.20	613.35	33.75	346.10	358.00	9
10	ANNUAL GENERATION (MWH)[3/]	1,149,700	2,754,500	150,000	1,015,300	219,200	10
11	PLANT HEAT RATE (BTU/KWH)[3/]	11,673	10,824	13,486	14,562	11,629	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)		571.90		331.60	149.00	12
13	AVERAGE HEAT CONTENT (BTU/LB)		10,381		10,380	8,556	13
14	AVERAGE SULFUR CONTENT (%)		1.25		1.10	.68	14
15	AVERAGE ASH CONTENT (%)		12.50		12.70	8.23	15
16	AVERAGE MOISTURE CONTENT (%)		11.50		11.30	26.70	16
17	OIL: CONSUMPTION (1,000 BARRELS)	518.60	748.70	103.00	381.30		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	143,375	148,660	140,846	143,071		18
19	AVERAGE SULFUR CONTENT (%)	.70	1.30	.70	.90		19
20	GAS: CONSUMPTION (1,000 MCF)	10,036.50	13,074.70	1,491.30	5,378.20		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,026	1,015	974	1,043		21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	4	4	2	9	1	22
23	- NO. OF WET BOTTOM						23
24	- NO. WITH FLY ASH REINJECTION						24
25	- NO. WITH MECHANICAL PRECIPITATORS				4	1	25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS						26
27	- NO. WITH COMBINATION PRECIPITATORS[4/]						27
28	- NO. WITH DESULFURIZATION SYSTEMS		2			1	28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5/]	8.00 15.00	8.00 20.00	20.00	8.00 30.00	21.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH				10.00 85.00	99.50	30
31	TESTED, LOW - HIGH						31
32	ESTIMATED, LOW - HIGH				85.00		32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6/]: DESIGN, LOW - HIGH						33
34	TESTED, LOW - HIGH						34
35	EST., LOW - HIGH						35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH		83.00			73.00	36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH		60.00			76.00	38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7/]: PARTICULATE MATTER (1,000 TONS)	.09	60.89	.02	5.42	.05	39
40	SULFUR OIDXIDE (1,000 TONS)	1.22	17.28	.24	8.30	1.99	40
41	NITROGEN OXIDES (1,000 TONS)	3.10	9.35	.51	4.87	1.34	41
42	STACKS: - TOTAL NO.	5	5	2	8	1	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8/]	75.00 148.50	123.00 354.80	168.00	153.00 203.00	500.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9/]		30.50			2.40	44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10/]		90.80		36.70		45
46	SOLD (1,000 TONS)[11/]						46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12/]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)				170.00		49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)						50
51	ELECTROSTATIC PRECIPITATORS ($1,000)						51
52	COMBINATION PRECIPITATORS ($1,000)[4/]						52
53	DESULFURIZATION SYSTEMS ($1,000)		4,000.00			13,236.00	53
54	STACKS ($1,000)	44.80	329.00	31.30	240.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		138.00		137.60		55
56	REVENUES FROM SALE OF ASH ($1,000)						56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)		496.00				57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13/]		634.00		137.60	136.00	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)						60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	W	Rw KANSAS	R SMOKY HILL	R KANSAS	R YELLOWSTONE	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	5.60	10.50	41.60	52.00	9.00	62
63	AVERAGE RATE OF DISCHARGE (CFS)	1.70	2.10	41.60	48.20		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14/]	3.90	8.40	.36	3.80	9.00	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15/]	JUL DEC	JUL DEC	JUL DEC	JUL DEC	DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	60.00 60.00		85.00 48.00	84.00 50.00	40.00	66
67	AT OUTFALL, SUMMER - WINTER	85.00 40.00	90.00 87.00	96.00 68.00	92.00 80.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	103.00	12,010.00	2,388.00	11,140.00		68
69	- WINTER	25.50	2,591.00	404.00	2,379.00		69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, D[16/]	H	H	H	H		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.30	1.15	.07	11.70 1.30		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	1.28	57.38	1.08	3.00		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP				597.60 66.40		73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP						74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	12.00	45.00		34.00		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17/]	YES YES	YES YES	YES	YES YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18/]	ST	OT	OT	OT	PS	77
78	RECEIVING WATER BODY	D TILE FIELD	R KANSAS		R KANSAS		78
79	POND DISCHARGE:[19/] PH, BOILER BLOWDOWN - ASH SETTLING	9.50	10.50 9.00	9.50	10.00 9.50	9.00	79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		25.00 100.00		500.00		80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	15.00	75.00	21.00	265.00		81
82	- ASH SETTLING		5,775.00		7,500.00		82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20/]: ONCE THROUGH COOLING (FRESH)			2 33.75	4 115.00		83
84	ONCE THROUGH COOLING (SALINE)						84
85	COOLING PONDS(S)						85
86	COOLING TOWER(S)	4 252.20	5 623.35		2 231.10	1 330.00	86
87	COMBINATIONS[21/]						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: CLOSEST SYSTEM - NEWEST SYSTEM	1949 1965	1960 1971	1940 1947	1927 1962	1975	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22/]	10.90 14.80	11.80 21.40	9.67 11.00	12.30 14.50	17.50	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	402.20	395.80	103.61	605.70	230.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)			103.61	280.30		91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)			193.00	555.00		92
93	COOLING PONDS ($1,000)						93
94	COOLING TOWERS ($1,000)	1,918.00	4,533.00		1,644.00	1,134.00	94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	56.00	145.00	40.00	116.00	195.00	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	45.00	188.00		44.90		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	30.00	55.00	36.00	100.60		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	2.00	49.00	1.00	35.30		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	THE MONTANA POWER CO.	THE MONTANA POWER CO.	THE NARRAGANSETT ELECTRIC CO.	THE NARRAGANSETT ELECTRIC CO.	THE POTOMAC EDISON CO.	1
2							2
3							3
4	NAME OF PLANT	BIRD	CORETTE	MANCHESTER STREET	SOUTH STREET	SMITH	4
5	UTILITY-PLANT CODE	484500-0400	484500-0760	485000-0100	485000-0300	486500-0300	5
6	STATE	MONTANA	MONTANA	RHODE ISLAND	RHODE ISLAND	MARYLAND	6
7	COUNTY	YELLOWSTONE	YELLOWSTONE	PROVIDENCE	PROVIDENCE	WASHINGTON	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	140 10	140 10	120 01	120 01	113 02	8
9	PLANT CAPACITY (MW)	69.00	172.80	132.00	110.90	169.50	9
10	ANNUAL GENERATION (MWH)[3]	2,000	1,046,100	401,700	317,100	551,600	10
11	PLANT HEAT RATE (BTU/KWH)[3]	10,053	10,059	11,933	12,350	11,887	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)		592.00			251.90	12
13	AVERAGE HEAT CONTENT (BTU/LB)		8,469			11,889	13
14	AVERAGE SULFUR CONTENT (%)		.75			1.08	14
15	AVERAGE ASH CONTENT (%)		8.60			14.04	15
16	AVERAGE MOISTURE CONTENT (%)		25.89			6.45	16
17	OIL: CONSUMPTION (1,000 BARRELS)	2.00		894.91	632.30	2.81	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	146,500		147,074	147,285	139,000	18
19	AVERAGE SULFUR CONTENT (%)	1.74		.93	.93	.25	19
20	GAS: CONSUMPTION (1,000 MCF)	40.00	415.00				20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,140	1,155				21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	1	1	3	2	2	22
23	- NO. OF WET BOTTOM						23
24	- NO. WITH FLY ASH REINJECTION						24
25	- NO. WITH MECHANICAL PRECIPITATORS			3			25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS		1			2	26
27	- NO. WITH COMBINATION PRECIPITATORS[4]				2		27
28	- NO. WITH DESULFURIZATION SYSTEMS						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	20.00	21.00	15.00	12.00	20.00 22.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH			85.00			30
31	TESTED, LOW - HIGH						31
32	ESTIMATED, LOW - HIGH			86.00			32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH		97.00		90.00	94.00 99.50	33
34	TESTED, LOW - HIGH					97.50 99.70	34
35	EST., LOW - HIGH		96.00		90.00	97.50 99.70	35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37	TESTED, LOW - HIGH						37
38	ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS: PARTICULATE MATTER (1,000 TONS)		1.73	.02	.01	.21	39
40	SULFUR DIOXIDE (1,000 TONS)	.01	8.70	2.76	1.97	5.33	40
41	NITROGEN OXIDES (1,000 TONS)	.01	5.41	1.97	1.39	2.27	41
42	STACKS: - TOTAL NO.	1	1	2	1	4	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	150.00	350.00 207.00	208.00	329.00	187.00 200.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]		50.40			35.30	45
46	SOLD (1,000 TONS)[11]		3.50			1.40	46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			179.40			50
51	ELECTROSTATIC PRECIPITATORS ($1,000)		1,030.00			1,594.00	51
52	COMBINATION PRECIPITATORS ($1,000)[4]				256.80		52
53	DESULFURIZATION SYSTEMS ($1,000)						53
54	STACKS ($1,000)	39.00	269.00	40.80	200.50	51.00	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		100.80	3.00	10.00	60.30	55
56	REVENUES FROM SALE OF ASH ($1,000)		15.20			1.30	56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		103.40	21.30	46.70	60.30	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)		15.20			1.30	60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	R YELLOWSTONE	R YELLOWSTONE	O ATLANTIC OCEAN	O ATLANTIC OCEAN	R POTOMAC	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	55.00	102.00	198.20	58.80	123.80	62
63	AVERAGE RATE OF DISCHARGE (CFS)	55.00	102.00	198.20	58.50	123.50	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.47	.88	1.70	.51	1.06 .54	64
65	PEAK LOAD MONTH - SUMMER - WINTER[15]	JAN	JUL JAN	AUG DEC	AUG DEC	AUG DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	41.00	73.00 58.00	78.00 51.00	76.00 51.00	80.00 42.00	66
67	AT OUTFALL, SUMMER - WINTER	78.00	94.00 79.00	94.00 70.00	93.00 73.00	97.00 59.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		37,180.00	466.30	9.60	1,150.00	68
69	- WINTER	2,444.00	2,444.00	165.90	155.90	3,340.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	C	C	C	C	H	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.05	.05	3.04	1.61	.03	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.02	.03	.88	.49	30.91	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP					8.00	73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP					1.00	74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP					.10	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES YES	YES YES	YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	PS	PS	PS	PS	77
78	[19] RECEIVING WATER BODY						78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		8.00			7.90	79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		30.00			26.00	80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						81
82	- ASH SETTLING		400.00			22,096.00	82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	1 69.00	1 172.80			2 131.00	83
84	ONCE THROUGH COOLING (SALINE)			3 146.00	1 110.90		84
85	COOLING PONDS[1]						85
86	COOLING TOWERS[1]						86
87	COMBINATIONS[21]						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1951	1968	1941 1947	1953	1947 1957	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	24.20	28.80	12.00	17.00	15.00 18.00	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	75.70	115.00	360.00	152.00	163.50	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	75.70	115.00	399.00	152.00	163.50	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	113.00	396.00	945.00	715.00	532.00	92
93	COOLING PONDS ($1,000)						93
94	COOLING TOWERS ($1,000)						94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	1.10	2.20	1.50	1.00	80.20	95
96	COST OF CHEMICAL ADDITIVES ($1,000)			3.40	1.20		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	3.30	12.10	5.00	5.00	46.30	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	.55	1.10	37.70	18.50	14.90	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	THE TOLEDO EDISON CO.	THE TOLEDO EDISON CO.	THE TUCSON GAS & ELECTRIC CO.	THE TUCSON GAS & ELECTRIC CO.	UGI CORP - LUZERNE ELEC. DIVISION		
NAME OF PLANT	ACME	BAY SHORE	DEMOSS PETRIE	IRVINGTON	HUNLOCK CREEK		
UTILITY-PLANT CODE	488000-0100	488000-0200	488500-0100	488500-0200	489000-0100		
STATE	OHIO	OHIO	ARIZONA	ARIZONA	PENNSYLVANIA		
COUNTY	LUCAS	LUCAS	PIMA	PIMA	LUZERNE		
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	124 04	124 04	015 15	015 15	151 02		
PLANT CAPACITY (MW)	301.50	639.40	104.50	504.54	89.00		
ANNUAL GENERATION (MWH)[3]	796,900	4,066,000	184,000	1,417,700	312,000		
PLANT HEAT RATE (BTU/KWH)[3]	13,248	9,310	14,386	10,000	14,555		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	398.00	1,666.00			258.50		
AVERAGE HEAT CONTENT (BTU/LB)	11,402	11,334			8,519		
AVERAGE SULFUR CONTENT (%)	2.54	2.12			.70		
AVERAGE ASH CONTENT (%)	15.20	16.07			26.37		
AVERAGE MOISTURE CONTENT (%)	6.64	6.64			19.36		
OIL: CONSUMPTION (1,000 BARRELS)	94.00	17.00	321.05	1,629.40	25.60		
AVERAGE HEAT CONTENT (BTU/GAL)	157,177	139,884	145,591	144,026	138,800		
AVERAGE SULFUR CONTENT (%)	1.39	.57	.81	.78	.12		
GAS: CONSUMPTION (1,000 MCF)	1,534.00		663.33	4,037.93			
AVERAGE HEAT CONTENT (BTU/CU.FT.)	550		1,070	1,070			

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	10	4	4	4	8				
- NO. OF WET BOTTOM									
- NO. WITH FLY ASH REINJECTION					2				
- NO. WITH MECHANICAL PRECIPITATORS									
- NO. WITH ELECTROSTATIC PRECIPITATORS	3	2							
- NO. WITH COMBINATION PRECIPITATORS[4]	3	2			3				
- NO. WITH DESULFURIZATION SYSTEMS									
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	15.00	25.00	17.00	23.00	5.00	15.00	7.50	30.00	40.00
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH									
TESTED, LOW - HIGH									
ESTIMATED, LOW - HIGH									
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	97.40	99.50	98.50	99.50				93.80	95.00
TESTED, LOW - HIGH	97.40	98.70		95.10					99.60
EST., LOW - HIGH	96.80	99.40	98.90	99.50				90.00	95.00
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH									
TESTED, LOW - HIGH									
ESTIMATED, LOW - HIGH									

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.75	1.38	.05	.27	2.55		
SULFUR DIOXIDE (1,000 TONS)	20.25	69.26	.87	4.26	2.82		
NITROGEN OXIDES (1,000 TONS)	3.49	14.12	.84	4.38	1.85		
STACKS: - TOTAL NO.	4	4	4	4	6		
- HEIGHT (FEET), LOWEST - HIGHEST[8]	246.00 258.00	250.00	101.00 198.00	130.00 146.00	174.00 338.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							
TOTAL ASH: COLLECTED (1,000 TONS)[10]	54.00	265.60			.65		
SOLD (1,000 TONS)[11]							
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							
ELECTROSTATIC PRECIPITATORS ($1,000)	1,519.00	1,127.00					
COMBINATION PRECIPITATORS ($1,000)[4]	800.00	1,220.00			1,678.00		
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)	194.10	839.20			146.00		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	373.00	481.00			585.00		
REVENUES FROM SALE OF ASH ($1,000)							
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	373.00	481.00			585.00		
TOTAL BYPRODUCT SALES REVENUES ($1,000)							

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	R MAUMEE	L ERIE	M	M					
AVERAGE RATE OF WITHDRAWAL (CFS)	296.00	853.00	.72	4.09	125.00				
AVERAGE RATE OF DISCHARGE (CFS)	296.00	853.00			124.00				
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	2.55	7.34	.60	3.47	1.08	1.00			
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC	AUG FEB	AUG FEB	AUG DEC				
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	79.00 43.00	83.30 45.40			85.00 46.00				
AT OUTFALL, SUMMER - WINTER	91.00 50.00	93.50 61.00	90.00 70.00	110.00 85.00	100.00 63.00				
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	2,170.00				3,000.00				
- WINTER	8,310.00				17,000.00				
FREQUENCY OF TEMPERATURE MONITORING: C, H, D, D[16]	C	C	H	C	H				
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.58	.04	6.41 .13	12.58 .03	1.25				
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	24.15	15.09	.20	193.00	.60				
LIME (TONS), COOLING WATER - BOILER MAKEUP									
ALUM (TONS), COOLING WATER - BOILER MAKEUP									
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	41.04	330.00	2.03	8.25	4.90				
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES ST	YES YES PS	YES YES PS	YES UT				
SEWAGE DISPOSAL: METHOD PS, ST, SW, DT[18]		L ERIE			R SUSQUEHANNA				
[19] RECEIVING WATER BODY									
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	8.10	7.70			7.00				
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	107.00	45.00			300.00				
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING	9,760.00	19,200.00			110,000.00				

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	5 294.50	4 638.00			3 98.00				
ONCE THROUGH COOLING (SALINE)									
COOLING POND(S)									
COOLING TOWER(S)			4 99.00	4 504.54					
COMBINATIONS[21]									
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1918 1951	1955 1968	1949 1954	1958 1967	1925 1959				
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	14.00 21.50	9.50 13.40	15.00 18.00	21.00 28.00	10.00 15.00				
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	607.00	1,149.00	78.00	422.00	219.00				
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	607.00	1,149.00			234.00				

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	1,158.00	3,258.00			733.00				
COOLING PONDS ($1,000)									
COOLING TOWERS ($1,000)			587.00	1,089.00					

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	23.00	117.00							
COST OF CHEMICAL ADDITIVES ($1,000)	5.00	46.00	5.00	13.00	4.39				

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	46.00	57.00							
COST OF CHEMICAL ADDITIVES ($1,000)	14.00	6.00	1.00	38.00	3.11				

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	1	THE UNITED ILLUMINATING CO.		THE UNITED ILLUMINATING CO.		THE UNITED ILLUMINATING CO.		THE UNITED ILLUMINATING CO.		TRAVERSE CITY LIGHT & POWER DEPT.	1
2		2										2
3		3										3
4	NAME OF PLANT	4	BRIDGEPORT HARBOR		NEW HAVEN HARBOR		ENGLISH		STEEL POINT		HARBSIDE	4
5	UTILITY-PLANT CODE	5	489500-0100		489500-0150		489500-0200		489500-0400		496500-0400	5
6	STATE	6	CONNECTICUT		CONNECTICUT		CONNECTICUT		CONNECTICUT		MICHIGAN	6
7	COUNTY	7	FAIRFIELD		NEW HAVEN		NEW HAVEN		FAIRFIELD		GRAND TRAVERSE	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO. 7	8	043 01		042 01		042 01		043 01		126 04	8
9	PLANT CAPACITY (MW)	9	660.50		464.60		146.30		155.50		35.00	9
10	ANNUAL GENERATION (MWH)[2]	10	3,384,900		804,000		103,100		38,800		208,000	10
11	PLANT HEAT RATE (BTU/KWH)[3]	11	10,180		10,127		18,692		27,952		15,294	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	12									56.50	12
13	AVEPAGE HEAT CONTENT (BTU/LB)	13									12,100	13
14	AVERAGE SULFUR CONTENT (%)	14									.92	14
15	AVEPAGE ASH CONTENT (%)	15									10.50	15
16	AVERAGE MOISTURE CONTENT (%)	16									7.38	16
17	OIL: CONSUMPTION (1,000 BAPRELS)	17	5,674.00		1,333.00		314.00		177.00			17
18	AVERAGE HEAT CONTENT (BTU/GAL)	18	144,577		145,075		146,181		145,309			18
19	AVERAGE SULFUR CONTENT (%)	19	.39		.37		.44		.43			19
20	GAS: CONSUMPTION (1,000 MCF)	20										20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	21									505.20	20
											1,934	21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	22	3		1		14		27		4	22
23	- NO. OF WET BOTTOM	23	2									23
24	- NO. WITH FLY ASH REINJECTION	24	3		1							24
25	- NO. WITH MECHANICAL PRECIPITATORS	25										25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26	3		1		2		7		1	26
27	- NO. WITH COMBINATION PRECIPITATORS[4]	27										27
28	- NO. WITH DESULFURIZATION SYSTEMS	28										28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	29	12.00	30.00	3.00	19.00	30.00	19.00	30.00	5.00	25.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30									98.00	30
31	TESTED, LOW - HIGH	31										31
32	ESTIMATED, LOW - HIGH	32										32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	33	97.50	99.50	95.00		95.00		95.00			33
34	TESTED, LOW - HIGH	34			85.00							34
35	EST., LOW - HIGH	35	53.00	73.00	81.20		75.00	55.00	60.00			35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36										36
37	TESTED, LOW - HIGH	37										37
38	ESTIMATED, LOW - HIGH	38										38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMISSIONS: PARTICULATE MATTER (1,000 TONS)	39	.17		.04		.02		.02		.67	39
40	SULFUR DIOXIDE (1,000 TONS)	40	3.52		1.65		.46		.26		1.02	40
41	NITROGEN OXIDES (1,000 TONS)	41	5.94		2.94		.69		.39		.52	41
42	STACKS: - TOTAL NO.	42	3		1		6		7		4	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	43	203.00	498.00	388.00	233.00	235.00	175.00	182.00	96.00	143.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	44										44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	45	3.00		.50		.10					45
46	SOLD (1,000 TONS)[11]	46									62.00	45
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47										46
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]	48										47
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49										48
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50										49
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51										50
52	COMBINATION PRECIPITATORS ($1,000)[4]	52	2,167.30		4,458.00		248.00		645.58			51
53	DESULFURIZATION SYSTEMS ($1,000)	53										52
54	STACKS ($1,000)	54										53
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55	914.25		488.00		155.93		191.50		85.00	54
56	REVENUES FROM SALE OF ASH ($1,000)	56	51.00		1.00		1.00		2.00		12.00	55
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57										56
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58										57
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	59	152.00		19.00		13.00		15.00		15.50	58
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60										59
												60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	61	H BRIDGEPORT		H		R MILL		H BRIDGEPORT		b GO TRAVERSE	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62	666.00		159.00		66.81		15.74		31.00	62
63	AVEPAGE RATE OF DISCHARGE (CFS)	63	666.00		159.00		66.81		15.74		31.00	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	64	5.73		1.37		.57		.14		.27	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	65	JUN	DEC	JUN	DEC	JUN	DEC	JUN	DEC	JUL	JAN	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT CIVERSION, SUMMER - WINTER	66	75.00	56.00		51.00	76.00	50.00	72.00	55.00	69.00	37.00	66
67	AT OUTFALL, SUMMER - WINTER	67	101.00	74.00		71.00	89.00	64.00	99.00	75.00	87.00	62.00	67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	68		820.00				66.59		1.55	LAKE		68
69	- WINTER	69		381.00		573.00		93.66		3.50	LAKE		69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	70	H		C		H		H		H		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71		.93		.09		1.00		.50		.21	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72						3.75		2.25		2.00	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73											73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74											74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75					106.50		12.50				75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	76	YES	YES	YES			YES		YES			76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	77	PS/ST		PS		ST/SW		PS		PS		77
78	[19] RECEIVING WATER BODY	78					P MILL						78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	79	9.50	7.00			9.60		9.70	3.20			79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80	31.50	24.00			61.00		100.00	870.00			80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	81		42,900.00				97,468.00		4,147.45			81
82	- ASH SETTLING	82		3,500.00						4,216.04			82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	83									4 31.50	83
84	ONCE THROUGH COOLING (SALINE)	84	1 399.50		1 464.60		8 146.25		5 144.50			84
85	COOLING PONDS	85										85
86	COOLING TOWERS	86										86
87	COMBINATIONS[21]	87	2 261.00									87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88	1957 1968		1975		1929 1953		1923 1950		1942 1966	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	89	11.20	17.90	15.00		7.40 18.20		13.10 18.70			89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90		837.01	625.00		581.08		420.16			90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91		837.01	625.00		581.08		420.16		73.00	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92	3,398.63		6,448.00		673.67		369.40			92
93	COOLING PONDS ($1,000)	93										93
94	COOLING TOWERS ($1,000)	94	100.18									94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95	419.70		21.00		160.00		24.50		51.00	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96	11.70				9.50		1.40			96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97	93.60		39.00		61.40		60.50		10.00	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98	177.80		16.00		8.70		5.30		5.00	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

NAME OF UTILITY	UNION ELECTRIC CO.	UNION ELECTRIC CO.	UNION ELECTRIC CO.	UNION ELECTRIC CO.	UNION ELECTRIC CO.		
NAME OF PLANT	ASHLEY	CAHOKIA	MERAMEC	SIOUX	VENICE #2		
UTILITY-PLANT CODE	512500-0100	512500-0200	512500-0400	512500-0700	512500-1100		
STATE	MISSOURI	ILLINOIS	MISSOURI	MISSOURI	ILLINOIS		
COUNTY	CITY OF ST. LOUIS	ST. CLAIR	ST. LOUIS	ST. CHARLES	MADISON		
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	070 07	070 07	070 07	070 07	070 07		
PLANT CAPACITY (MW)	70.00	310.00	923.04	1,099.60	474.00		
ANNUAL GENERATION (MWH)[3]	2,000	33,000	4,107,900	4,455,700	652,200		
PLANT HEAT RATE (BTU/KWH)[3]	72,395	26,051	10,669	10,269	14,008		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)			1,945.10	2,104.90	344.50		
AVERAGE HEAT CONTENT (BTU/LB)			11,251	10,861	10,947		
AVERAGE SULFUR CONTENT (%)			2.48	3.05	.85		
AVERAGE ASH CONTENT (%)			9.91	13.96	9.29		
AVERAGE MOISTURE CONTENT (%)			11.87	9.84	11.48		
OIL: CONSUMPTION (1,000 BARRELS)	523.80	135.30		14.00	280.60		
AVERAGE HEAT CONTENT (BTU/GAL)	149,751	152,113		137,000	138,359		
AVERAGE SULFUR CONTENT (%)	1.85	3.09		.30	.30		
GAS: CONSUMPTION (1,000 MCF)			17.00		8.70		
AVERAGE HEAT CONTENT (BTU/CU.FT.)			1,030		1,031		

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	5	22	4	2	6		
- NO. OF WET BOTTOM				2			
- NO. WITH FLY ASH REINJECTION							
- NO. WITH MECHANICAL PRECIPITATORS							
- NO. WITH ELECTROSTATIC PRECIPITATORS			4	2	2		
- NO. WITH COMBINATION PRECIPITATORS[4]							
- NO. WITH DESULFURIZATION SYSTEMS							
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	23.00	23.00	23.00	23.00	23.00		
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH			97.50 98.00	99.60	95.00		
TESTED, LOW - HIGH			94.50 97.40		88.50 90.50		
EST., LOW - HIGH			98.00	99.00	97.00		
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							
TESTED, LOW - HIGH							
ESTIMATED, LOW - HIGH							

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.09	.02	3.26	.29	.67		
SULFUR DIOXIDE (1,000 TONS)	3.25	1.39	94.09	124.70	6.02		
NITROGEN OXIDES (1,000 TONS)	1.15	.30	17.42	57.39	3.21		
STACKS: - TOTAL NO.	4	6	4	2	8		
- HEIGHT (FEET), LOWEST - HIGHEST[8]	180.00 166.00	325.00 335.00	250.00 350.00	600.00	237.00		
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							
TOTAL ASH: COLLECTED (1,000 TONS)[10]			189.70	296.60	29.20		
SOLD (1,000 TONS)[11]			51.00	3.60			
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			2,973.00	5,885.00	526.00		
ELECTROSTATIC PRECIPITATORS ($1,000)							
COMBINATION PRECIPITATORS ($1,000)[4]							
DESULFURIZATION SYSTEMS ($1,000)							
STACKS ($1,000)	92.00	318.00	850.00	1,525.00	418.00		
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)			175.50	1,238.20	66.80		
REVENUES FROM SALE OF ASH ($1,000)			76.00	2.00			
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]			175.50	1,272.30	66.80		
TOTAL BYPRODUCT SALES REVENUES ($1,000)			76.00	2.00			

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	R MISSISSIPPI	R MISSISSIPPI	R MISSISSIPPI	R MISSISSIPPI	R MISSISSIPPI		
AVERAGE RATE OF WITHDRAWAL (CFS)	3.70	14.00	564.00	520.00	229.00		
AVERAGE RATE OF DISCHARGE (CFS)	2.60	14.00	564.00	520.00	229.00		
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.03 1.10	.12	4.85	4.47	1.97		
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC	JUL DEC	JUL DEC	JUL DEC	JUL DEC		
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	85.00 44.00	84.00 38.00	86.00 45.00	85.00 45.00	86.00 42.00		
AT OUTFALL, SUMMER - WINTER	100.00 58.00	97.00 48.00	105.00 64.00	106.00 75.00	98.00 75.00		
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	211,000.00	211,000.00	211,000.00	131,900.00	211,000.00		
- WINTER	150,000.00	150,000.00	150,000.00	80,600.00	15,000.00		
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	C	C	C	C		
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	26.70	2.76	9.60		5.35		
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		.34	801.28	473.97			
LIME (TONS), COOLING WATER - BOILER MAKEUP	276.20	19.43	337.00	81.00	117.20		
ALUM (TONS), COOLING WATER - BOILER MAKEUP	10.65		320.00				
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP							
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES		
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	SW	ST	OT	ST		
RECEIVING WATER BODY	R MISSIPPI	R MISSISSIPPI	R MISSISSIPPI	R MISSISSIPPI	O BOTTOM ASH PON		
POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING		8.50		6.40	8.70		
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		15.00		50.00	23.00		
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN		2,750.00					
- ASH SETTLING							

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	4 70.00	6 305.00	4 923.04	2 1,099.60	6 474.00		
ONCE THROUGH COOLING (SALINE)							
COOLING PONDS							
COOLING TOWERS							
COMBINATIONS[21]							
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1917 1920	1924 1937	1953 1961	1967 1968	1942 1950		
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	13.00 20.00	15.50 22.30	16.00 20.90	16.00 17.50			
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	285.00	857.00	928.00	876.00	890.00		
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	285.00	857.00	928.00	1,040.00	890.00		

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	120.00	842.00	7,638.00	4,259.00	7,498.00		
COOLING PONDS ($1,000)							
COOLING TOWERS ($1,000)							

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	14.00	32.00	206.10	218.30	605.00		
COST OF CHEMICAL ADDITIVES ($1,000)			38.40				

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	15.00	43.00	149.50	195.90	157.20		
COST OF CHEMICAL ADDITIVES ($1,000)	30.70	6.30	166.40	260.00	9.40		

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	1	UNION ELECTRIC CO.		UNITED POWER ASSOC.		UNITED POWER ASSOC.		UNIVERSITY OF ILLINOIS		UPPER PENINSULA GEN. CO.		1
2		2											2
3		3											3
4	NAME OF PLANT	4	LABADIE		STANTON		ELK RIVER		ABBOTT		PRESQUE ISLE		4
5	UTILITY-PLANT CODE	5	512500-1200		513500-0100		513500-0200		514500-0100		516000-0100		5
6	STATE	6	MISSOURI		NORTH DAKOTA		MINNESOTA		ILLINOIS		MICHIGAN		6
7	COUNTY	7	FRANKLIN		MERCER		SHERBURNE		CHAMPAIGN		MARQUETTE		7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	8	070	11	172	10	132	07	066	05	126	04	8
9	PLANT CAPACITY (MW)	9	2,482.00		172.00		46.00		30.00		330.80		9
10	ANNUAL GENERATION (MWH)[3]	10	12,762,800		851,900		69,400		16,000		1,856,000		10
11	PLANT HEAT RATE (BTU/KWH)[3]	11	9,765		11,477		14,674		14,944		11,466		11
	AIR QUALITY CONTROL DATA												
	FUEL CONSUMPTION DATA (ANNUAL)												
12	COAL: CONSUMPTION (1,000 TONS)	12	5,693.90		683.00		25.50				910.30		12
13	AVERAGE HEAT CONTENT (BTU/LB)	13	10,867		7,175		12,659				11,689		13
14	AVERAGE SULFUR CONTENT (%)	14	2.89		.76		4.00				1.30		14
15	AVERAGE ASH CONTENT (%)	15	10.48		9.30		3.00				9.91		15
16	AVERAGE MOISTURE CONTENT (%)	16	12.98		33.92		10.00				8.07		16
17	OIL: CONSUMPTION (1,000 BARRELS)	17	152.40		6.10		28.60		41.09				17
18	AVERAGE HEAT CONTENT (BTU/GAL)	18	137,000		137,550		148,000		138,554				18
19	AVERAGE SULFUR CONTENT (%)	19	.30		.50		1.00		.23				19
20	GAS: CONSUMPTION (1,000 MCF)	20					195.70						20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	21					998						21
	PLANT EQUIPMENT DATA												
22	BOILERS: - TOTAL NO.	22	4		1		3		6		6		22
23	- NO. OF WET BOTTOM	23									5		23
24	- NO. WITH FLY ASH REINJECTION	24					3		3				24
25	- NO. WITH MECHANICAL PRECIPITATORS	25			1		3		3				25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26	4								2		26
27	- NO. WITH COMBINATION PRECIPITATORS[4]	27									4		27
28	- NO. WITH DESULFURIZATION SYSTEMS	28											28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	29	23.00		23.00		30.00	15.00	20.00	18.00	65.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30			85.00		86.00	75.00	92.00	93.10			30
31	TESTED, LOW - HIGH	31			61.80		86.00	11.00					31
32	ESTIMATED, LOW - HIGH	32			62.00		86.00	11.00					32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	33	99.50					85.00	90.00				33
34	TESTED, LOW - HIGH	34	96.00							95.00	99.60		34
35	EST., LOW - HIGH	35	99.00							97.52	99.58		35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36											36
37	TESTED, LOW - HIGH	37											37
38	ESTIMATED, LOW - HIGH	38											38
	PLANT OPERATING DATA AND COST OF EQUIPMENT												
39	EST. TOTAL ANNUAL PLANT EMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	39	5.02		20.52		.40				.97		39
40	SULFUR OXIDE (1,000 TONS)	40	319.38		10.18		2.02				23.19		40
41	NITROGEN OXIDES (1,000 TONS)	41	51.06		6.16		.30				13.17		41
42	STACKS: - TOTAL NO.	42	4		1		3		2		5		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	43	700.00		255.00		68.00	200.00	204.00	147.50	400.00		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	44											44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	45	592.30		48.40		1.50				71.00		45
46	SOLD (1,000 TONS)[11]	46	2.20										46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47											47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]	48											48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49											49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50			115.00		60.00						50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51	12,276.00								3,848.00		51
52	COMBINATION PRECIPITATORS ($1,000)[4]	52									3,747.00		52
53	DESULFURIZATION SYSTEMS ($1,000)	53											53
54	STACKS ($1,000)	54	7,521.00		150.00		15.00		47.90		885.00		54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55	548.50		75.00		12.00				130.00		55
56	REVENUES FROM SALE OF ASH ($1,000)	56	1.00										56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57											57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58											58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	59	569.70		75.00		12.00				139.00		59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60	1.00										60
	WATER QUALITY CONTROL DATA												
61	COOLING WATER: SOURCE	61	R MISSOURI		R MISSOURI		R MISSISSIPPI	M		L SUPERIOR			61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62	1,177.40		223.00		48.60		.10				62
63	AVERAGE RATE OF DISCHARGE (CFS)	63	1,177.40		223.00		48.50		.50				63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	64	10.13		1.92	.10	.42	.10	.10				64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	65	JUL	DEC	JUL	DEC	JUL	DEC		JUL	NOV		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66	85.00	45.00	55.00	46.00	83.00	60.00		72.00	54.00		66
67	AT OUTFALL, SUMMER - WINTER	67	115.00	75.00	66.00	61.00	95.00	74.00		96.00	77.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	68	79,100.00		24,550.00		2,500.00						68
69	- WINTER	69	69,400.00		22,800.00		5,000.00						69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	70	C		C		C			H			70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71		4.45		.17		.03	.26		4.49		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72		1,617.27		209.90		7.50	45.77		45.74		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73		357.47		34.08		4.25					73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74				13.25		1.20					74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75									1.00		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	76		YES		YES	YES	YES	YES	YES	YES		76
77	SEWAGE DISPOSAL: METHOD RS, ST, SW, OT[18]	77	OT		ST		PS		PS		PS		77
78	[19] RECEIVING WATER BODY	78	O ASH SETTL POND										78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	79	8.20	8.20	9.90	9.90	7.90				8.50		79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80	50.00	50.00		15.00	10.70						80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	81		116,560.00		91,000.00		16.40					81
82	- ASH SETTLING	82		116,560.00		91,060.00					1,350.00		82
	COOLING FACILITY DATA												
83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	83	4	2,482.00	1	172.00	3	46.00		5	264.70		83
84	ONCE THROUGH COOLING (SALINE)	84											84
85	COOLING POND(S)	85											85
86	COOLING TOWER(S)	86							6 27.00				86
87	COMBINATIONS[21]	87											87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88		1970		1966	1950	1959	1953 1957	1955	1974		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	89		29.70		16.00	11.50	15.90	10.00	20.00	26.00		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90		1,676.00		220.00		112.00	43.00		171.00		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91		1,908.00		220.00		112.00			185.00		91
	CAPITAL COSTS OF COOLING FACILITIES												
92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92		19,080.00		650.00		400.00			1,166.00		92
93	COOLING PONDS ($1,000)	93											93
94	COOLING TOWERS ($1,000)	94							388.00				94
	ANNUAL COOLING WATER EXPENSES												
95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95		1,131.50				5.00	5.52		9.90		95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96						1.00	.46		.40		96
	ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES												
97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97		382.00		106.00		25.00	36.07		34.20		97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98		356.00		75.00		5.00	12.12		32.80		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	1	UTAH POWER & LIGHT CO.	UTAH POWER & LIGHT CO.	UTAH POWER & LIGHT CO.	UTAH POWER & LIGHT CO.	UTAH POWER & LIGHT CO.	1
2		2						2
3		3						3
4	NAME OF PLANT	4	CARBON	GADSBY	HUNTINGTON	HALE	NAUGHTON	4
5	UTILITY-PLANT CODE	5	517000-0500	517000-1000	517000-1450	517000-1500	517000-2000	5
6	STATE	6	UTAH	UTAH	UTAH	UTAH	WYOMING	6
7	COUNTY	7	CARBON	SALT LAKE	EMERY	UTAH	LINCOLN	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	8	219 14	220 16	014 14	220 16	243 16	8
9	PLANT CAPACITY (MW)	9	166.00	251.64	411.00	59.00	707.20	9
10	ANNUAL GENERATION (MWH)[3]	10	911,000	1,036,000	2,536,400	185,000	3,469,000	10
11	PLANT HEAT RATE (BTU/KWH)[3]	11	11,022	11,809	10,154	12,049	10,483	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	12	440.10	427.10	1,053.12	96.77	1,840.60	12
13	AVERAGE HEAT CONTENT (BTU/LB)	13	11,465	11,509	12,215	11,505	9,670	13
14	AVERAGE SULFUR CONTENT (%)	14	.50	.50	.50	.50	.50	14
15	AVERAGE ASH CONTENT (%)	15	13.12	13.10	10.00	13.30	4.50	15
16	AVERAGE MOISTURE CONTENT (%)	16	7.97	7.97	.70	7.97	23.00	16
17	OIL: CONSUMPTION (1,000 BARRELS)	17	2.03	3.05	26.95		11.69	17
18	AVERAGE HEAT CONTENT (BTU/GAL)	18	140,000	143,431	140,000		140,000	18
19	AVERAGE SULFUR CONTENT (%)	19	.20	.20	.35		.60	19
20	GAS: CONSUMPTION (1,000 MCF)	20		2,529.10		.14	12.86	20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	21		940		971	823	21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	22	2	3	1	2	3	22
23	- NO. OF WET BOTTOM	23			1		3	23
24	- NO. WITH FLY ASH REINJECTION	24						24
25	- NO. WITH MECHANICAL PRECIPITATORS	25	2				1	25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26			1		1	26
27	- NO. WITH COMBINATION PRECIPITATORS[4]	27		2		1	1	27
28	- NO. WITH DESULFURIZATION SYSTEMS	28						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	29	21.00	18.00		20.00 27.00	21.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30	75.00 80.70				80.00	30
31	TESTED, LOW - HIGH	31						31
32	ESTIMATED, LOW - HIGH	32	75.00				80.00	32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	33		97.00	99.50	97.00	96.00 97.00	33
34	TESTED, LOW - HIGH	34	98.00	95.05 99.43	99.82	97.00	98.00 99.38	34
35	EST., LOW - HIGH	35	90.00		99.50	97.00	97.00	35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36						36
37	TESTED, LOW - HIGH	37						37
38	ESTIMATED, LOW - HIGH	38						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	39	7.55	1.48	.34	.33	4.66	39
40	SULFUR DIOXIDE (1,000 TONS)	40	4.31	4.19	10.35	.95	18.06	40
41	NITROGEN OXIDES (1,000 TONS)	41	3.97	4.08	15.86	.87	27.64	41
42	STACKS: - TOTAL NO.	42	2	3	1	2	3	42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	43	200.00	250.00	600.00	160.00 200.00	200.00 250.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	44						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	45	57.65	55.95	10.53	13.22	409.00	45
46	SOLD (1,000 TONS)[11]	46						46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]	48						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50	173.88				176.87	50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51			5,000.00		814.00	51
52	COMBINATION PRECIPITATORS ($1,000)[4]	52		680.75		148.40	7,000.00	52
53	DESULFURIZATION SYSTEMS ($1,000)	53						53
54	STACKS ($1,000)	54	119.89	327.10	1,500.00	67.18	881.91	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55	35.09	163.24	165.97	35.98	38.05	55
56	REVENUES FROM SALE OF ASH ($1,000)	56						56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	59	35.09	163.24	165.97	35.98	38.05	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60						60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	61	R PRICE	R JORDAN	R HUNTINGTON	R PROVO	R HAMS FORK	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62	3.00	3.00	8.90	60.00	18.00	62
63	AVERAGE RATE OF DISCHARGE (CFS)	63	1.00	.72		60.00		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	64	2.00	2.28	8.90	.52	18.00	64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	65	JUL DEC	JUL DEC			AUG DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66	70.00 33.00		47.00 32.00			66
67	AT OUTFALL, SUMMER - WINTER	67	96.00 98.00	86.00 75.00				67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	68	190.00	211.00		210.00		68
69	- WINTER	69	15.00	212.00	7.48	420.00		69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O'[16]	70	O					70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71	1.30	3.00	1.25	.02	.16	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72	.65	1.00		.02	64.00	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73					38.45	73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74						74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75	.70	12.00	9.00		3.75	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	76	YES	YES YES	YES YES	YES	YES YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	77	PS	OT	SW		OT	77
78	RECEIVING WATER BODY[18]	78			O EVAP POND			78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	79					8.50	79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80						80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	81						81
82	- ASH SETTLING	82					18,200.00	82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	83				2 59.00		83
84	ONCE THROUGH COOLING (SALINE)	84						84
85	COOLING POND(S)	85						85
86	COOLING TOWER(S)	86	2 166.00	3 248.64	1 411.00		3 710.80	86
87	COMBINATIONS[21]	87						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88	1954 1957	1951 1955	1973	1936 1950	1963 1971	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	89	19.00 20.00	11.00 13.00	24.00	7.00	24.50 29.30	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90	215.90	494.50	402.00	531.00	569.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91				73.30		91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92				46.41		92
93	COOLING PONDS ($1,000)	93						93
94	COOLING TOWERS ($1,000)	94	480.51	1,805.55	95.00		2,582.74	94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95	69.50	18.69	66.25		41.10	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96	18.40	34.85	416.83		45.68	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97	62.40	112.85	181.76	5.50	61.60	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98	4.80	22.50	49.22	.12	37.70	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	KEY WEST UTILS BD	KEY WEST UTILS BD	VERMONT YANKEE NUCLEAR PWER CORP.	VERO BEACH MUN PWR SYS	VINLLAND, CITY OF.	1
2						2
3						3
4 NAME OF PLANT	KEY WEST	STOCK ISLAND	VERMONT YANKEE	VERO BEACH	OLMN	4
5 UTILITY-PLANT CODE	518000-0100	518000-0200	520250-0500	521500-0100	523500-0100	5
6 STATE	FLORIDA	FLORIDA	VERMONT	FLORIDA	NEW JERSEY	6
7 COUNTY	MONROE	MONROE	WINDHAM	INDIAN RIVER	CUMBERLAND	7
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	050 03	050 03	221 02	050 03	150 02	8
9 PLANT CAPACITY (MW)	61.75	37.00	540.00	62.00	76.45	9
10 ANNUAL GENERATION (MWH)[3]	141,000	183,000	3,573,100	357,310	147,000	10
11 PLANT HEAT RATE (BTU/KWH)[3]	14,262	11,962	10,748	9,170	14,251	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)						12
13 AVERAGE HEAT CONTENT (BTU/LB)						13
14 AVERAGE SULFUR CONTENT (%)						14
15 AVERAGE ASH CONTENT (%)						15
16 AVERAGE MOISTURE CONTENT (%)						16
17 OIL: CONSUMPTION (1,000 BARRELS)	325.78	353.32		404.00	341.04	17
18 AVERAGE HEAT CONTENT (BTU/GAL)	147,914	147,339		150,000	146,650	18
19 AVERAGE SULFUR CONTENT (%)	1.96	2.43		2.00	.81	19
20 GAS: CONSUMPTION (1,000 MCF)				690.00		20
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)				1,000		21

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	5	1		3	5	22
23 - NO. OF WET BOTTOM						23
24 - NO. WITH FLY ASH REINJECTION						24
25 - NO. WITH MECHANICAL PRECIPITATORS	3	1		3	3	25
26 - NO. WITH ELECTROSTATIC PRECIPITATORS						26
27 - NO. WITH COMBINATION PRECIPITATORS[4]					1	27
28 - NO. WITH DESULFURIZATION SYSTEMS		1				28
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00 17.00	10.00		12.00 13.00	16.00 50.00	29
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	80.00	80.00		85.00 92.00	90.00 92.80	30
31 TESTED, LOW - HIGH						31
32 ESTIMATED, LOW - HIGH	77.50	85.00		87.80		32
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH					90.00 92.80	33
34 TESTED, LOW - HIGH					98.00	34
35 EST., LOW - HIGH						35
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH		85.00			98.00	36
37 TESTED, LOW - HIGH		73.00				37
38 ESTIMATED, LOW - HIGH		70.00				38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.02	.01		.01		39
40 SULFUR DIOXIDE (1,000 TONS)	2.14	2.80		2.71	.93	40
41 NITROGEN OXIDES (1,000 TONS)	.72	.76		1.03	.75	41
42 STACKS: - TOTAL NO.	5	1		2	6	42
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	100.00 157.00	110.00		200.00	138.00	43
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]				.03		44
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]	.14	.09		.01		45
46 SOLD (1,000 TONS)[11]				.01		46
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						47
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						48
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						49
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)					10.00	50
51 ELECTROSTATIC PRECIPITATORS ($1,000)						51
52 COMBINATION PRECIPITATORS ($1,000)[4]					131.80	52
53 DESULFURIZATION SYSTEMS ($1,000)		800.00				53
54 STACKS ($1,000)				40.80	297.70	54
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	3.00	2.00		3.00		55
56 REVENUES FROM SALE OF ASH ($1,000)				1.20		56
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						57
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						58
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	5.60	9.00		6.50		59
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)				1.20		60

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	M	W	R CONNECTICUT	R INDIAN	M	61
62 AVERAGE RATE OF WITHDRAWAL (CFS)	47.00	74.00	830.00	180.20		62
63 AVERAGE RATE OF DISCHARGE (CFS)	47.00	74.00	836.00	179.12		63
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.40	.64		1.55		64
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG NOV			AUG JAN	AUG DEC	65
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	79.00 79.00	78.00 78.00	81.40 34.00	86.00 68.00		66
67 AT OUTFALL, SUMMER - WINTER	93.00 92.00	90.00 90.00	96.00 80.00	93.00 79.00		67
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	47.00	74.00	836.00			68
69 - WINTER	47.00	74.00	836.00			69
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	H	H	C	C		70
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.11	.14	.04	.26	.01 .66	71
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	15.71	28.50		15.00	3.43 1.62	72
73 LIME (TONS), COOLING WATER - BOILER MAKEUP						73
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP						74
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP				28.00	1.67	75
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES YES	YES	YES YES	76
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	SW	ST	PS		77
78 RECEIVING WATER BODY[19]						78
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING						79
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						80
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN						81
82 - ASH SETTLING						82

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)						83
84 ONCE THROUGH COOLING (SALINE)	5 61.75	1 37.00		3 62.00		84
85 COOLING PONDS(S)					2 8.00	85
86 COOLING TOWER(S)			1 537.00		5 69.00	86
87 COMBINATIONS[21]						87
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1952 1966	1972	1971	1960 1970	1929 1969	88
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	14.00	14.50	19.70	8.00	10.00 14.70	89
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	161.00	66.00	800.00	223.00	208.00	90
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	154.54	77.00		223.00		91

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)						92
93 COOLING PONDS ($1,000)					125.70	93
94 COOLING TOWERS ($1,000)			10,000.00		252.70	94

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	20.00	5.00				95
96 COST OF CHEMICAL ADDITIVES ($1,000)			10.27	3.70	1.05	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	30.00	7.00				97
98 COST OF CHEMICAL ADDITIVES ($1,000)	10.00	4.00	.50	7.20	6.02	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	VIRGINIA PUBLIC UTILS COMM	VIRGINIA ELECTRIC & POWER CO.	VIRGINIA ELECTRIC & POWER CO.	VIRGINIA ELECTRIC & POWER CO.	VIRGINIA ELECTRIC & POWER CO.		
NAME OF PLANT	VIRGINIA	BREMO BLUFF	CHESTERFIELD	MOUNT STORM	PORTSMOUTH		
UTILITY-PLANT CODE	524750-0100	525000-0200	525000-0300	525000-0700	525000-0900		
STATE	MINNESOTA	VIRGINIA	VIRGINIA	WEST VIRGINIA	VIRGINIA		
COUNTY	ST. LOUIS	FLUVANNA	CHESTERFIELD	GRANT	CHESAPEAKE		
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	129 01	224 02	225 02	113 02	223 02		
PLANT CAPACITY (MW)	36.00	254.28	1,484.44	1,062.48	645.64		
ANNUAL GENERATION (MWH)[3]	61,000	1,299,100	5,283,300	6,377,000	2,270,900		
PLANT HEAT RATE (BTU/KWH)[3]	33,766	10,395	10,615	10,604	10,761		

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)	121.16	551.26	374.96	3,011.62				
AVERAGE HEAT CONTENT (BTU/LB)	8,511	12,248	12,494	11,227				
AVERAGE SULFUR CONTENT (%)	.54	.83	1.05	1.86				
AVERAGE ASH CONTENT (%)	8.06	10.26	9.70	18.96				
AVERAGE MOISTURE CONTENT (%)	26.68	6.81	6.66	6.87				
OIL: CONSUMPTION (1,000 BARRELS)			7,475.45		3,520.07			
AVERAGE HEAT CONTENT (BTU/GAL)			148,760		147,983			
AVERAGE SULFUR CONTENT (%)			2.30		2.44			
GAS: CONSUMPTION (1,000 MCF)								
AVERAGE HEAT CONTENT (BTU/CU.FT.)								

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.	4	2	6	3	4			
- NO. OF WET BOTTOM								
- NO. WITH FLY ASH REINJECTION	3		4		4			
- NO. WITH MECHANICAL PRECIPITATORS	4		1		3			
- NO. WITH ELECTROSTATIC PRECIPITATORS		2	4	3	1			
- NO. WITH COMBINATION PRECIPITATORS[4]			1					
- NO. WITH DESULFURIZATION SYSTEMS								
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	6.20 13.30	18.00 25.00	28.00 35.00	23.00	17.00 28.00			
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	80.00 85.00		85.00		85.00			
TESTED, LOW - HIGH								
ESTIMATED, LOW - HIGH	80.00 85.00		80.00		65.00			
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH		99.38	90.00 99.50	99.20 99.83	96.00			
TESTED, LOW - HIGH	99.70	99.75	90.25 96.40	99.70 99.80	88.50			
EST., LOW - HIGH		95.00	72.00 99.50	99.50 99.80	70.00			
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH								
TESTED, LOW - HIGH								
ESTIMATED, LOW - HIGH								

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	1.81	2.40	1.91	1.64	.22			
SULFUR DIOXIDE (1,000 TONS)	1.26	8.97	65.40	109.79	32.05			
NITROGEN OXIDES (1,000 TONS)	.98	4.96	19.30	27.10	8.64			
STACKS: - TOTAL NO.	3	2	6	3	4			
- HEIGHT (FEET), LOWEST - HIGHEST[8]	130.00 179.00	200.00	200.00 419.00	350.00 579.00	175.00 200.00			
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]			.00		.20			
TOTAL ASH: COLLECTED (1,000 TONS)[10]	12.00	54.37	36.95	570.67	.59			
SOLD (1,000 TONS)[11]			.30		.01			
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)								
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]								
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)								
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)			16.00		479.00			
ELECTROSTATIC PRECIPITATORS ($1,000)		3,788.00	4,223.00	23,730.00	569.00			
COMBINATION PRECIPITATORS ($1,000)[4]			363.00					
DESULFURIZATION SYSTEMS ($1,000)								
STACKS ($1,000)		158.00	819.00	4,355.00	341.00			
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		291.00	499.00	1,782.00	20.00			
REVENUES FROM SALE OF ASH ($1,000)					3.00			
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)								
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)								
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		291.70	525.90	1,811.00	25.00			
TOTAL BYPRODUCT SALES REVENUES ($1,000)			103.20		3.00			

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	L SILVER	R JAMES	R JAMES	R STONY	R ELIZABETH			
AVERAGE RATE OF WITHDRAWAL (CFS)		343.20	1,559.00	1,736.00	550.00			
AVERAGE RATE OF DISCHARGE (CFS)		343.20	1,559.00	1,735.00	550.00			
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]		2.95	13.41	1.00	4.73			
PEAK LOAD MONTH : SUMMER - WINTER[15]	JUL DEC	AUG DEC	AUG DEC	AUG DEC	AUG DEC			
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	80.00 40.00	91.00 52.00	91.00 52.00	80.00 42.00	89.00 81.00			
AT OUTFALL, SUMMER - WINTER	90.00 50.00	103.00 67.00	95.10 56.10	96.00 87.00	107.00 78.00			
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		2,704.00	16,000.00	RESERVOIR	21,000.00			
- WINTER		3,636.00	16,000.00	RESERVOIR	21,000.00			
FREQUENCY OF TEMPERATURE MONITORING: C, H, Q, O[16]	H	C	C		C			
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP			2.00	2.65	3.50			
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP			27.75	2.59 1.65	450.21			
LIME (TONS), COOLING WATER - BOILER MAKEUP				5.83				
ALUM (TONS), COOLING WATER - BOILER MAKEUP		55.73 2.00	100.00					
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP			130.00	.38	10.00			
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]		YES YES	YES	YES YES	YES YES			
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	ST	ST	ST	ST			
RECEIVING WATER BODY[19]		P JAMES	R JAMES	O COOLING POND				
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		7.50	7.00	9.50 8.50	7.60			
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		250.00	5.00	2,000.00	250.00			
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING			576.00	315.24 3,130.00	126,144.00			

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	2 26.00	2 254.28	6 1,484.44					
ONCE THROUGH COOLING (SALINE)					4 550.00			
COOLING POND(S)				3 1,662.48				
COOLING TOWER(S)								
COMBINATIONS[21]								
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1954 1960	1949 1958	1944 1969	1965 1973	1953 1962			
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	10.00	21.00	12.20 23.50	17.00 19.30	14.00 17.90			
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)		260.60	1,633.56	1,734.00	794.70			
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		260.60	1,633.42		794.70			

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)		1,760.00	6,482.00		3,448.00			
COOLING PONDS ($1,000)				6,523.00				
COOLING TOWERS ($1,000)				380.00				

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)		44.00	356.00	27.00	237.00			
COST OF CHEMICAL ADDITIVES ($1,000)		4.00	15.00	19.10	1.00			

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)		78.00	244.10	294.00	383.00			
COST OF CHEMICAL ADDITIVES ($1,000)		7.00	19.75	42.00	69.00			

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1 NAME OF UTILITY	VIRGINIA ELECTRIC & POWER CO.	VIRGINIA ELECTRIC & POWER CO.	VIRGINIA ELECTRIC & POWER CO.	VIRGINIA ELECTRIC & POWER CO.	VIRGINIA ELECTRIC & POWER CO.	1
2						2
3						3
4 NAME OF PLANT	POSSUM POINT	REEVES AVENUE	SURRY	12TH STREET	YORKTOWN	4
5 UTILITY-PLANT CODE	525000-1000	525000-1100	525000-1250	525000-1300	525000-1400	5
6 STATE	VIRGINIA	VIRGINIA	VIRGINIA	VIRGINIA	VIRGINIA	6
7 COUNTY	PRINCE WILLIAM	NORFOLK	SURRY	RICHMOND	YORK	7
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	047 02	223 02	225 03	225 02	223 02	8
9 PLANT CAPACITY (MW)	1,373.00	100.00	1,648.60	102.50	1,257.00	9
10 ANNUAL GENERATION (MWH)[3]	3,920,100	59,000	8,969,600	13,000	4,339,000	10
11 PLANT HEAT RATE (BTU/KWH)[3]	10,746	10,106	11,039	18,438	10,116	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)			17.43				12
13 AVERAGE HEAT CONTENT (BTU/LB)							13
14 AVERAGE SULFUR CONTENT (%)							14
15 AVERAGE ASH CONTENT (%)							15
16 AVERAGE MOISTURE CONTENT (%)							16
17 OIL: CONSUMPTION (1,000 BARRELS)	6,838.17	66.40		41.87	7,019.58		17
18 AVERAGE HEAT CONTENT (BTU/GAL)	146,704	140,000		140,000	148,430		18
19 AVERAGE SULFUR CONTENT (%)	1.34	.10		.10	.95		19
20 GAS: CONSUMPTION (1,000 MCF)					96.95		20
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)					1,389		21

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	5	2		2	3		22
23 - NO. OF WET BOTTOM		2					23
24 - NO. WITH FLY ASH REINJECTION							24
25 - NO. WITH MECHANICAL PRECIPITATORS	3				3		25
26 - NO. WITH ELECTROSTATIC PRECIPITATORS	1						26
27 - NO. WITH COMBINATION PRECIPITATORS[4]	4	2		2	2		27
28 - NO. WITH DESULFURIZATION SYSTEMS					1		28
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	3.00 28.00	23.50					29
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH				32.00	3.00 15.00		30
31 TESTED, LOW - HIGH	91.20				85.00 91.20		31
32 ESTIMATED, LOW - HIGH	91.00				84.60		32
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	85.00 96.00	92.00 95.00			64.00 91.00		33
34 TESTED, LOW - HIGH				90.00	96.00		34
35 EST., LOW - HIGH	72.00	90.00		90.50			35
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH				70.00	72.00		36
37 TESTED, LOW - HIGH							37
38 ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.22						39
40 SULFUR DIOXIDE (1,000 TONS)	30.74						40
41 NITROGEN OXIDES (1,000 TONS)	15.08			.01	.15		41
42 STACKS: - TOTAL NO.	5			.09	42.87		42
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	175.00 358.50	200.00 215.00	2	1	15.50		43
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	.40			150.00	2		44
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]	1.22	1.48			325.00 489.00		45
46 SOLD (1,000 TONS)[11]					.46		46
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)					1.33		47
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	1,057.00						50
51 ELECTROSTATIC PRECIPITATORS ($1,000)	1,839.00	312.00		191.00	775.00		51
52 COMBINATION PRECIPITATORS ($1,000)[4]					1,290.00		52
53 DESULFURIZATION SYSTEMS ($1,000)							53
54 STACKS ($1,000)	1,015.00	19.00					54
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	40.00	15.00		10.00	1,326.00		55
56 REVENUES FROM SALE OF ASH ($1,000)					64.00		56
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	72.00	15.00			106.00		59
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)							60

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	R POTOMAC	R ELIZABETH	P JAMES	O KANAWHA CANAL	R YORK		61
62 AVERAGE RATE OF WITHDRAWAL (CFS)	522.00	100.40	3,366.00	296.40	1,860.00		62
63 AVERAGE RATE OF DISCHARGE (CFS)	514.00	100.40	3,366.00	296.40	1,860.00		63
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	8.00	.86	28.95	2.55	16.00		64
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC	AUG DEC	JUL DEC	AUG DEC		65
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT CIVERSION, SUMMER - WINTER	88.00 50.00		86.00 47.70		66.00 46.00		66
67 AT OUTFALL, SUMMER - WINTER	115.00 76.00		100.40 55.40		102.00 66.00		67
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	22,000.00		130,000.00		170,000.00		68
69 - WINTER	22,000.00		130,000.00		170,000.00		69
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, O, D[16]	C		C	C	C		70
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.77	1.80					71
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	1.13	.50	.01	.03	1.98		72
73 LIME (TONS), COOLING WATER - BOILER MAKEUP				.05	300.00		73
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP							74
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	18.00						75
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES	YES		105.00 YES		76
77 SEWAGE DISPOSAL: METHOD RS, ST, SW, OT[18]	ST	PS	ST	PS	ST		77
78 RECEIVING WATER BODY[19]			R JAMES				78
79 POND DISCHARGE: RH, SUSPENDED SOLIDS (RPM), BOILER BLOWDOWN - ASH SETTLING	7.90						79
80 VOLUME (1,000 CUET/YR), BOILER BLOWDOWN - ASH SETTLING	26.00				6.50		80
81							81
82	24,600.00				1,268.00		82

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		2 100.00	2 1,648.60	2 70.00			83
84 ONCE THROUGH COOLING (SALINE)					3 1,257.00		84
85 COOLING POND(S)							85
86 COOLING TOWER(S)	1 882.00						86
87 COMBINATIONS[21]	4 491.00						87
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1948 1975	1941 1950	1972	1919 1940	1957 1974		88
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	17.90 24.00	9.40 11.00	15.00	10.00	10.00 14.90		89
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,211.80	100.40	3,740.00	222.30	2,051.40		90
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	543.30	100.40	3,740.00	222.30	2,236.00		91

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)	2,771.00	142.00	25,677.00	72.00	22,079.00		92
93 COOLING PONDS ($1,000)							93
94 COOLING TOWERS ($1,000)	3,783.00						94

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	121.00	1.00	1,132.00	8.00	234.00		95
96 COST OF CHEMICAL ADDITIVES ($1,000)					24.50		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	268.00	6.00	1,100.00	39.00	419.00		97
98 COST OF CHEMICAL ADDITIVES ($1,000)	1.00	1.00	28.00	.10	60.00		98

19 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	WASHINGTON P. POWER SUPPLY SYS.	WELLINGTON, CITY OF	WEST PENNSYLVANIA POWER CO.	WEST PENNSYLVANIA POWER CO.	WEST PENNSYLVANIA POWER CO.	1
2						2
3						3
4 NAME OF PLANT	HANFORD	WELLINGTON	ARMSTRONG	MILESBURG	MITCHELL	4
5 UTILITY-PLANT CODE	531500-0100	538250-0100	542000-0100	542000-0300	542000-0400	5
6 STATE	WASHINGTON	KANSAS	PENNSYLVANIA	PENNSYLVANIA	PENNSYLVANIA	6
7 COUNTY	BENTON	SUMNER	ARMSTRONG	CENTRE	WASHINGTON	7
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	230 17	099 11	197 05	195 02	197 05	8
9 PLANT CAPACITY (MW)	862.00	33.50	326.40	46.00	448.70	9
10 ANNUAL GENERATION (MWH)[3]	3,308,000	53,000	1,855,400	22,700	1,875,100	10
11 PLANT HEAT RATE (BTU/KWH)[3]		15,242	10,580	15,090	9,865	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)			891.20		750.50	12
13 AVERAGE HEAT CONTENT (BTU/LB)			11,004		12,032	13
14 AVERAGE SULFUR CONTENT (%)			2.27		2.42	14
15 AVERAGE ASH CONTENT (%)			18.46		12.48	15
16 AVERAGE MOISTURE CONTENT (%)			6.52		7.09	16
17 OIL: CONSUMPTION (1,000 BARRELS)	14.85	2.94	59.20		68.24	17
18 AVERAGE HEAT CONTENT (BTU/GAL)	139,156	138,500	137,603		147,481	18
19 AVERAGE SULFUR CONTENT (%)	.02	.25	.01		.62	19
20 GAS: CONSUMPTION (1,000 MCF)	679.54				15.17	20
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,061				1,050	21

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	4	2	2	4		22
23 - NO. OF WET BOTTOM						23
24 - NO. WITH FLY ASH REINJECTION						24
25 - NO. WITH MECHANICAL PRECIPITATORS		2		4		25
26 - NO. WITH ELECTROSTATIC PRECIPITATORS			2			26
27 - NO. WITH COMBINATION PRECIPITATORS[4]						27
28 - NO. WITH DESULFURIZATION SYSTEMS	7.00	20.00	20.00	20.00		28
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]						29
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH						30
31 TESTED, LOW - HIGH						31
32 ESTIMATED, LOW - HIGH		99.50	87.00	95.00 99.50		32
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH						33
34 TESTED, LOW - HIGH		99.50				34
35 EST., LOW - HIGH						35
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						36
37 TESTED, LOW - HIGH						37
38 ESTIMATED, LOW - HIGH						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)		.70		.40		39
40 SULFUR DIOXIDE (1,000 TONS)		39.65		35.74		40
41 NITROGEN OXIDES (1,000 TONS)	.17	8.03	.13	6.91		41
42	4	2	1	4		42
43 STACKS: - TOTAL NO.	66.00 70.00	230.00	250.00	193.00 230.00		43
44 - HEIGHT (FEET), LOWEST - HIGHEST[8]						44
45 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]		213.90		100.00		45
46 TOTAL ASH: COLLECTED (1,000 TONS)[10]		5.50		33.00		46
47 SOLD (1,000 TONS)[11]						47
48 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						48
49 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						49
50 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						50
51 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)		7,616.00		2,810.00		51
52 ELECTROSTATIC PRECIPITATORS ($1,000)			438.00			52
53 COMBINATION PRECIPITATORS ($1,000)[4]						53
54 DESULFURIZATION SYSTEMS ($1,000)		184.00	165.00	246.00		54
55 STACKS ($1,000)		382.50	2.00	281.00		55
56 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		4.60		40.40		56
57 REVENUES FROM SALE OF ASH ($1,000)						57
58 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						58
59 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)		417.40	2.00	517.00		59
60 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		4.60		40.40		60
TOTAL BYPRODUCT SALES REVENUES ($1,000)						

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	R COLUMBIA	M	R ALLEGHENY	C SPRING	R MONONGAHELA	61
62 AVERAGE RATE OF WITHDRAWAL (CFS)	828.00		185.70	8.13	473.00	62
63 AVERAGE RATE OF DISCHARGE (CFS)	828.00		185.10	8.03	472.20	63
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]		.25	.80	.02	1.90	64
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	7.12		1.60	.07	4.07	65
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	SEP JAN	AUG DEC	AUG DEC	AUG DEC	AUG DEC	66
67 AT OUTFALL, SUMMER - WINTER	66.00 41.00		76.00 46.00		80.00 45.00	67
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS):	99.00 85.00	23.67	105.00 75.00	54.00	99.00 71.00	68
69 - WINTER	69,400.00	13.88	7,640.00	71.00	5,870.00	69
70	106,300.00		18,800.00	118.00	11,240.00	70
71 FREQUENCY OF TEMPERATURE MONITORING: C, H, D, D[16]			H	140.00	H	71
72 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP		.03	.29	H .25	1.75	72
73 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		.04	111.08	.03	4.13	73
74 LIME (TONS), COOLING WATER - BOILER MAKEUP			5.30		2.08	74
75 ALUM (TONS), COOLING WATER - BOILER MAKEUP			15.30		35.10	75
76 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP[17]		.90	12.00		1.50	76
77 OTHER (YES/NO),	YES	YES	YES	YES	YES YES	77
78 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	OT	PS	ST	ST	ST	78
79 RECEIVING WATER BODY	D TILE FIELD			8.70		79
80 POND DISCHARGE:[19] PH, BOILER BLOWDOWN - ASH SETTLING				31.00		80
81 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING						81
82 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING				10,206.00		82

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	2 862.00		2 361.00	2 40.00	3 474.00	83
84 ONCE THROUGH COOLING (SALINE)						84
85 COOLING POND(S)		4 34.00				85
86 COOLING TOWER(S)						86
87 COMBINATIONS[21]	1965	1939 1970	1958 1959	1950	1948 1963	87
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	32.00	18.40 23.00	29.00 30.00	17.00	18.00 21.00	88
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	1,250.00	82.16	275.40	68.00	648.00	89
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,250.00		275.40	68.00	648.00	90
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)						91

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)	3,056.00		1,316.00	172.00	1,193.00	92
93 COOLING PONDS ($1,000)		642.00				93
94 COOLING TOWERS ($1,000)						94

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	26.02	1.70	202.60	44.50	170.80	95
96 COST OF CHEMICAL ADDITIVES ($1,000)			3.50		8.00	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	54.78		105.80	9.60	74.90	97
98 COST OF CHEMICAL ADDITIVES ($1,000)	2.65	.20	20.10	.20	27.00	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	WEST PENNSYLVANIA POWER CO.	WEST PENNSYLVANIA POWER CO.	WEST TEXAS UTILITIES CO.	WEST TEXAS UTILITIES CO.	WEST TEXAS UTILITIES CO.	1
2							2
3							3
4	NAME OF PLANT	SPRINGDALE	HATFIELD	CONCHO	FORT PHANTOM	LAKE PAULINE	4
5	UTILITY-PLANT CODE	542000-0500	542000-0600	543000-0200	543000-0250	543000-0400	5
6	STATE	PENNSYLVANIA	PENNSYLVANIA	TEXAS	TEXAS	TEXAS	6
7	COUNTY	ALLEGHENY	GREENE	TOM GREEN	JONES	HARDEMAN	7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	197 05	197 05	218 12	210 12	210 11	8
9	PLANT CAPACITY (MW)	215.38	1,728.00	52.50	156.60	44.50	9
10	ANNUAL GENERATION (MWH)[3]	157,400	9,415,800	194,000	832,500	97,400	10
11	PLANT HEAT RATE (BTU/KWH)[3]	12,900	10,140	14,668	9,992	12,986	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	75.00	3,954.50					12
13	AVERAGE HEAT CONTENT (BTU/LB)	10,207	12,067					13
14	AVERAGE SULFUR CONTENT (%)	1.43	2.15					14
15	AVERAGE ASH CONTENT (%)	15.85	13.94					15
16	AVERAGE MOISTURE CONTENT (%)	12.24	5.76					16
17	OIL: CONSUMPTION (1,000 BARRELS)	57.27	9.37	.08	131.34	.79		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	149,502	138,500	145,701	144,302	144,266		18
19	AVERAGE SULFUR CONTENT (%)	.59	.25	.40	.40	.40		19
20	GAS: CONSUMPTION (1,000 MCF)			193.04	7,355.03	1,181.90		20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)			1,063	1,023	1,067		21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	2	3	4	1	4		22
23	- NO. OF WET BOTTOM							23
24	- NO. WITH FLY ASH REINJECTION							24
25	- NO. WITH MECHANICAL PRECIPITATORS							25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	2	3					26
27	- NO. WITH COMBINATION PRECIPITATORS[4]							27
28	- NO. WITH DESULFURIZATION SYSTEMS							28
29	- EXCESS AIR USED (%). LOWEST BOILER - HIGHEST BOILER[5]	20.00	30.00	8.00	8.00	8.00		29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							30
31	TESTED, LOW - HIGH							31
32	ESTIMATED, LOW - HIGH							32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	95.00 98.00	99.00					33
34	TESTED, LOW - HIGH		96.50 98.90					34
35	EST., LOW - HIGH		96.50					35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37	TESTED, LOW - HIGH							37
38	ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.16	8.59		.02			39
40	SULFUR DIOXIDE (1,000 TONS)	2.28	166.65		.18			40
41	NITROGEN OXIDES (1,000 TONS)	.76	35.61	.04	1.72	.23		41
42	STACKS: - TOTAL NO.	2	2	4	1	2		42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	211.00	700.00	105.00 109.00	140.00	112.00 113.50		43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	13.30	552.00					45
46	SOLD (1,000 TONS)[11]	.20	16.30					46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	1,269.00	4,776.00					51
52	COMBINATION PRECIPITATORS ($1,000)[4]							52
53	DESULFURIZATION SYSTEMS ($1,000)							53
54	STACKS ($1,000)	55.00	2,203.00		38.20			54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	29.00	1,457.60					55
56	REVENUES FROM SALE OF ASH ($1,000)	.10	12.30					56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	356.10	1,507.80					59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	.10	12.30					60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	R ALLEGHENY	R MONONGAHELA	M	L FORT PHANTOM	L PAULINE		61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62.50	858.00	.07	170.90	59.87		62
63	AVERAGE RATE OF DISCHARGE (CFS)	62.47	852.00	.06	170.90	59.87		63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	.54 1.19	6.00	.02				64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC	AUG DEC	AUG DEC	AUG DEC		65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	77.00 42.00	80.00 45.00		85.00 58.00	84.00 54.00		66
67	AT OUTFALL, SUMMER - WINTER	94.00 59.00	95.00 60.00	84.00	95.00 74.00	97.00 59.00		67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	9,080.00	4,790.00					68
69	- WINTER	23,000.00	10,160.00					69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	H	C	H	H	H		70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.10		.01	.19	.30		71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	26.00	509.25	.04	.02	.09		72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	17.50	.50	12.08				73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	18.00	40.00	.65				74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	18.00 6.88	36.00 2.41	.09	2.00	3.00		75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES YES	YES YES	YES	YES		76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	OT	PS	ST	ST		77
78	RECEIVING WATER BODY[19]		R MONONGAHELA					78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	8.80						79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	31.00						80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN - ASH SETTLING							81
82								82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	2 229.00	1 576.00					83
84	ONCE THROUGH COOLING (SALINE)							84
85	COOLING POND(S)				1 156.60	2 44.50		85
86	COOLING TOWER(S)		1 576.00	2 52.50				86
87	COMBINATIONS[21]		1 576.00					87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1945 1954	1969 1971	1947 1953	1974	1928 1951		88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	11.00 23.00	15.00	15.00 16.20	14.04	7.50 8.50		89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	351.00	1,812.00	105.00	240.00	179.70		90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	351.00	1,268.00					91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	1,142.00	5,624.00					92
93	COOLING PONDS ($1,000)					192.00		93
94	COOLING TOWERS ($1,000)		4,373.00	188.00				94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	465.60	717.70					95
96	COST OF CHEMICAL ADDITIVES ($1,000)	5.20	8.50	.59	.47	.71		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	267.70	290.70					97
98	COST OF CHEMICAL ADDITIVES ($1,000)	15.40	230.20	.49	1.44	1.02		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1 NAME OF UTILITY	WEST TEXAS UTILITIES CO.	WEST TEXAS UTILITIES CO.	WEST TEXAS UTILITIES CO.	WEST TEXAS UTILITIES CO.	WESTERN FARMERS ELECTRIC COOP.	1
2						2
3						3
4 NAME OF PLANT	OAK CREEK	PAINT CREEK	RIO PECOS	SAN ANGELO	ANACARKO	4
5 UTILITY-PLANT CODE	543000-0600	543000-0700	543000-0900	543000-1000	544000-0100	5
6 STATE	TEXAS	TEXAS	TEXAS	TEXAS	OKLAHOMA	6
7 COUNTY	COKE	HASKELL	CRUCKETT	TOM GREEN	CACDO	7
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	218 12	210 12	218 13	218 12	189 11	8
9 PLANT CAPACITY (MW)	81.60	241.60	136.50	100.85	84.50	9
10 ANNUAL GENERATION (MWH)[3]	550,700	895,800	855,100	937,300	92,200	10
11 PLANT HEAT RATE (BTU/KWH)[3]	10,251	10,797	10,362	9,726	11,510	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)							12
13 AVERAGE HEAT CONTENT (BTU/LB)							13
14 AVERAGE SULFUR CONTENT (%)							14
15 AVERAGE ASH CONTENT (%)							15
16 AVERAGE MOISTURE CONTENT (%)							16
17 OIL: CONSUMPTION (1,000 BARRELS)	71.80	41.48		4.30	8.86		17
18 AVERAGE HEAT CONTENT (BTU/GAL)	144,975	142,155		139,061	147,500		18
19 AVERAGE SULFUR CONTENT (%)	.40	.30		.20	2.00		19
20 GAS: CONSUMPTION (1,000 MCF)	5,089.66	9,118.04	9,537.00	8,359.22	591.98		20
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,023	1,034	974	1,062	1,020		21

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	1	4	2	1	3		22
23 - NO. OF WET BOTTOM							23
24 - NO. WITH FLY ASH REINJECTION							24
25 - NO. WITH MECHANICAL PRECIPITATORS							25
26 - NO. WITH ELECTROSTATIC PRECIPITATORS							26
27 - NO. WITH COMBINATION PRECIPITATORS[4]							27
28 - NO. WITH DESULFURIZATION SYSTEMS							28
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]							29
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	8.50	5.00 8.00	7.00		7.00 15.00		30
31 TESTED, LOW - HIGH							31
32 ESTIMATED, LOW - HIGH							32
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH							33
34 TESTED, LOW - HIGH							34
35 EST., LOW - HIGH							35
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37 TESTED, LOW - HIGH							37
38 ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.01	.01					39
40 SULFUR OXIDES (1,000 TONS)	.10	.04					40
41 NITROGEN OXIDES (1,000 TONS)	1.15	1.87	1.86	1.07	.06		41
42 STACKS: - TOTAL NO.	1	4	2	2	.21		42
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	130.00	100.00 151.00	110.00 119.50	112.50	3 101.00 111.50		43
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							44
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]							45
46 SOLD (1,000 TONS)[11]							46
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							50
51 ELECTROSTATIC PRECIPITATORS ($1,000)							51
52 COMBINATION PRECIPITATORS ($1,000)[4]							52
53 DESULFURIZATION SYSTEMS ($1,000)							53
54 STACKS ($1,000)	14.00	53.00	22.00	33.50			54
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)							55
56 REVENUES FROM SALE OF ASH ($1,000)							56
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]							59
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)							60

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	L OAK CREEK	L STAMFORD	W	L NASWORTHY	L FT. COBB		61
62 AVERAGE RATE OF WITHDRAWAL (CFS)	65.90	170.21	3.02	93.50	.34		62
63 AVERAGE RATE OF DISCHARGE (CFS)	65.90	170.21	.31	93.50	.68		63
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]			2.71		.27		64
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	AUG DEC	AUG DEC	AUG DEC	AUG CEC		65
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT CIVERSION, SUMMER - WINTER	84.00 57.00	85.00 53.00		89.00 57.00			66
67 AT OUTFALL, SUMMER - WINTER	106.00 91.00	99.00 70.00	105.00 95.00	103.00 80.00	88.00		67
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER					.02		68
69 - WINTER					.16		69
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	H	H	H	H	O		70
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	.28	.15	7.67 .17	.07	.13		71
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP		.15	.10	.01	.05		72
73 LIME (TONS), COOLING WATER - BOILER MAKEUP		18.75	601.25				73
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP		5.33					74
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	2.00	7.00	5.18	8.00	2.25		75
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES YES	YES	YES YES		76
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	ST	ST	ST	PS		77
78 [19] RECEIVING WATER BODY							78
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING							79
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING							80
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							81
82 - ASH SETTLING							82

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)							83
84 ONCE THROUGH COOLING (SALINE)							84
85 COOLING POND(S)	1 81.60	4 241.60		1 100.85			85
86 COOLING TOWER(S)			2 136.50		3 84.50		86
87 COMBINATIONS[21]							87
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1962	1953 1971	1948 1969	1965	1951 1959		88
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	19.00	17.00 20.50	18.20 22.10	12.75	14.00 18.00		89
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90.00	333.00	158.90	172.00	155.97		90
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)							91

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)							92
93 COOLING PONDS ($1,000)							93
94 COOLING TOWERS ($1,000)			242.00		245.78		94

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)							95
96 COST OF CHEMICAL ADDITIVES ($1,000)	.62	1.66	54.70	2.33	11.10		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)							97
98 COST OF CHEMICAL ADDITIVES ($1,000)	.65	6.32	4.20	3.04	.60		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	WESTERN FARMERS ELECTRIC COOP.	WESTERN MASSACHUSETTS ELECTRIC CO.	WILLMAR MUN UTIL	WINNEBAGO, VILLAGE OF	WISCONSIN ELECTRIC POWER CO.	1
2						2
3						3
4 NAME OF PLANT	MOORELAND	WEST SPRINGFIELD	WILLMAR	WINNEBAGO	COMMERCE	4
5 UTILITY-PLANT CODE	544000-0300	545500-1100	549750-0100	551500-0100	553000-0100	5
6 STATE	OKLAHOMA	MASSACHUSETTS	MINNESOTA	ILLINOIS	WISCONSIN	6
7 COUNTY	WOODWARD	HAMPDEN	KANDIYOHI	COOK	MILWAUKEE	7
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	187 11	042 01	133 07	067 07	239 04	8
9 PLANT CAPACITY (MW)	384.70	284.64	29.35	25.50	35.00	9
10 ANNUAL GENERATION (MWH)[3]	1,466,000	713,600	61,000	15,000	133,000	10
11 PLANT HEAT RATE (BTU/KWH)[3]	10,335	10,851	17,888	9,937	17,090	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)				38.61	5.87		12
13 AVERAGE HEAT CONTENT (BTU/LB)				9,247	11,348		13
14 AVERAGE SULFUR CONTENT (%)				1.41	.72		14
15 AVERAGE ASH CONTENT (%)				8.78	4.51		15
16 AVERAGE MOISTURE CONTENT (%)				20.24	11.83		16
17 OIL: CONSUMPTION (1,000 BARRELS)		.14	1,142.62			7.19	17
18 AVERAGE HEAT CONTENT (BTU/GAL)	148,000	147,213				137,203	18
19 AVERAGE SULFUR CONTENT (%)		.75	.85			.20	19
20 GAS: CONSUMPTION (1,000 MCF)	14,437.49	680.45	377.11	15.36	2,175.66		20
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,049	1,000	1,000	1,030	1,063		21

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	3	3	3	5	1		22
23 - NO. OF WET BOTTOM							23
24 - NO. WITH FLY ASH REINJECTION			3				24
25 - NO. WITH MECHANICAL PRECIPITATORS			3	1			25
26 - NO. WITH ELECTROSTATIC PRECIPITATORS		3					26
27 - NO. WITH COMBINATION PRECIPITATORS[4]							27
28 - NO. WITH DESULFURIZATION SYSTEMS							28
29 - EXCESS AIR USED (%, LOWEST BOILER - HIGHEST BOILER)[5]	7.50 8.00	20.00		30.00 31.00	10.00		29
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH				91.80			30
31 TESTED, LOW - HIGH							31
32 ESTIMATED, LOW - HIGH				87.00			32
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH		95.00 97.50					33
34 TESTED, LOW - HIGH		96.40 98.80					34
35 EST., LOW - HIGH		65.00					35
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37 TESTED, LOW - HIGH							37
38 ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)		.07	2.20	.02			39
40 SULFUR DIOXIDE (1,000 TONS)		3.26	1.07	.07			40
41 NITROGEN OXIDES (1,000 TONS)	2.82	2.65	.36	.05	.44		41
42 STACKS: - TOTAL NO.	3	3	3	1	1		42
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	125.00 154.00	180.00 223.00	108.00 129.00	251.50	300.70		43
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]		.15					44
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]		.13	6.50	.34			45
46 SOLD (1,000 TONS)[11]							46
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)		184.00		9.00			50
51 ELECTROSTATIC PRECIPITATORS ($1,000)		450.00					51
52 COMBINATION PRECIPITATORS ($1,000)[4]							52
53 DESULFURIZATION SYSTEMS ($1,000)							53
54 STACKS ($1,000)		634.00		111.00	120.00		54
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		17.50		1.45			55
56 REVENUES FROM SALE OF ASH ($1,000)							56
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		53.00		1.45			59
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)							60

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	W	R CONNECTICUT	W	L MICHIGAN	R MILWAUKEE		61
62 AVERAGE RATE OF WITHDRAWAL (CFS)	3.60	119.00		15.50	70.00		62
63 AVERAGE RATE OF DISCHARGE (CFS)	.72	119.00		15.50	75.00		63
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	2.88	1.02		.13	1.00	.65	64
65 PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	JUN DEC		JUL JAN	AUG DEC		65
66 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	89.00 55.00	80.00 38.00		74.00 46.00	81.00 44.00		66
67 AT OUTFALL, SUMMER - WINTER	83.00 69.00	104.00 61.00		50.20	91.00 50.00		67
68 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	.90	13,330.00		36.10	485.00		68
69 - WINTER	.55	16,140.00			275.00		69
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	O	C		C	H		70
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	1.04	2.50 4.23			.62		71
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	.20	3.26 1.22		.10	68.50		72
73 LIME (TONS), COOLING WATER - BOILER MAKEUP							73
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP							74
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	4.62	12.00			10.35		75
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES YES	YES		YES	YES		76
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	ST	PS	PS	PS	PS		77
78 [19] RECEIVING WATER BODY							78
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING		6.90 6.90					79
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING		4.00 4.00					80
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							81
82 - ASH SETTLING							82

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)		3 209.64		4 25.50	1 35.00		83
84 ONCE THROUGH COOLING (SALINE)							84
85 COOLING POND(S)							85
86 COOLING TOWER(S)	3 384.70		3 29.35				86
87 COMBINATIONS[21]							87
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1964 1975	1949 1957	1949 1966	1937 1961	1941		88
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	15.00 17.00	20.00 21.85	15.00	12.00	10.50		89
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	423.26	241.70	63.20	80.74	85.00		90
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)		190.00		80.74	85.00		91

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)				254.00	219.00		92
93 COOLING PONDS ($1,000)							93
94 COOLING TOWERS ($1,000)	795.94						94

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)		50.00					95
96 COST OF CHEMICAL ADDITIVES ($1,000)	90.54	8.90		5.00	3.29 .92		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)		45.20					97
98 COST OF CHEMICAL ADDITIVES ($1,000)	7.58	9.20		1.00 .30	47.88 16.12		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1 NAME OF UTILITY	WISCONSIN ELECTRIC POWER CO.	WISCONSIN ELECTRIC POWER CO.	WISCONSIN ELECTRIC POWER CO.	WISCONSIN ELECTRIC POWER CO.	WISCONSIN ELECTRIC POWER CO.	1
2	LAKESIDE	NORTH OAK CREEK	PORT WASHINGTON	SOUTH OAK CREEK	VALLEY	2
3	553000-0300	553000-0400	553000-0500	553000-0600	553000-0700	3
4 NAME OF PLANT	WISCONSIN	WISCONSIN	WISCONSIN	WISCONSIN	WISCONSIN	4
5 UTILITY-PLANT CODE	MILWAUKEE	MILWAUKEE	OZAUKEE	MILWAUKEE	MILWAUKEE	5
6 STATE	239 04	239 04	239 04	239 04	239 04	6
7 COUNTY	310.00	500.00	400.00	1,192.00	272.00	7
8 AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	255,000	1,744,600	1,403,900	4,693,200	921,000	8
9 PLANT CAPACITY (MW)	18,612	10,436	11,543	9,716	14,697	9
10 ANNUAL GENERATION (MWH)[3]						10
11 PLANT HEAT RATE (BTU/KWH)[3]						11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12 COAL: CONSUMPTION (1,000 TONS)		823.65	691.07	2,046.09	580.45		12
13 AVERAGE HEAT CONTENT (BTU/LB)		11,042	11,725	11,104	11,562		13
14 AVERAGE SULFUR CONTENT (%)		1.79	3.09	1.84	2.80		14
15 AVERAGE ASH CONTENT (%)		10.51	10.70	10.39	9.41		15
16 AVERAGE MOISTURE CONTENT (%)		11.23	8.96	11.39	10.42		16
17 OIL: CONSUMPTION (1,000 BARRELS)	301.21	3.17		27.60			17
18 AVERAGE HEAT CONTENT (BTU/GAL)	144,609	137,377		137,271			18
19 AVERAGE SULFUR CONTENT (%)	1.40	.20		.20			19
20 GAS: CONSUMPTION (1,000 MCF)	2,851.07				110.65		20
21 AVERAGE HEAT CONTENT (BTU/CU.FT.)	1,023				1,023		21

PLANT EQUIPMENT DATA

22 BOILERS: - TOTAL NO.	20	4	5	4	4		22
23 - NO. OF WET BOTTOM							23
24 - NO. WITH FLY ASH REINJECTION							24
25 - NO. WITH MECHANICAL PRECIPITATORS							25
26 - NO. WITH ELECTROSTATIC PRECIPITATORS		4	5	4	4		26
27 - NO. WITH COMBINATION PRECIPITATORS[4]							27
28 - NO. WITH DESULFURIZATION SYSTEMS							28
29 - EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	10.00	20.00	28.00 30.00	20.00 21.00	20.00		29
30 MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH							30
31 TESTED, LOW - HIGH							31
32 ESTIMATED, LOW - HIGH							32
33 ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	99.00 99.50		99.20	99.00 99.50	99.00		33
34 TESTED, LOW - HIGH	98.07 98.59	99.11	99.53	98.09 99.56	97.89 99.34		34
35 EST., LOW - HIGH							35
36 DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH							36
37 TESTED, LOW - HIGH							37
38 ESTIMATED, LOW - HIGH							38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39 EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	.05	.93	.31	2.23	.53		39
40 SULFUR DIOXIDE (1,000 TONS)	1.41	28.90	41.85	73.81	31.86		40
41 NITROGEN OXIDES (1,000 TONS)	1.22	6.18	5.18	17.11	5.25		41
42 STACKS: - TOTAL NO.	4	2	2	2	2		42
43 - HEIGHT (FEET), LOWEST - HIGHEST[8]	231.00 253.23	250.25 350.25	505.17 505.50	454.29 556.67	400.00		43
44 COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]							44
45 TOTAL ASH: COLLECTED (1,000 TONS)[10]		85.45	72.50	212.10	54.05		45
46 SOLD (1,000 TONS)[11]				3.29	.98		46
47 TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)							47
48 EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]							48
49 ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)							49
50 INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)							50
51 ELECTROSTATIC PRECIPITATORS ($1,000)		2,758.00	2,517.00	6,988.00	1,226.00		51
52 COMBINATION PRECIPITATORS ($1,000)[4]							52
53 DESULFURIZATION SYSTEMS ($1,000)							53
54 STACKS ($1,000)	231.00	246.00	763.00	971.00	706.00		54
55 ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		735.70	552.40	1,180.80	600.90		55
56 REVENUES FROM SALE OF ASH ($1,000)				7.86	.58		56
57 SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)							57
58 REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)							58
59 TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		735.70	552.40	1,180.80	600.90		59
60 TOTAL BYPRODUCT SALES REVENUES ($1,000)				7.86	.58		60

WATER QUALITY CONTROL DATA

61 COOLING WATER: SOURCE	L MICHIGAN	L MICHIGAN	L MICHIGAN	L MICHIGAN	K MENOMONEE		61
62 AVERAGE RATE OF WITHDRAWAL (CFS)	420.00	654.00	684.00	1,350.00	186.00		62
63 AVERAGE RATE OF DISCHARGE (CFS)	416.00	648.00	677.00	1,337.00	184.00		63
64 AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	3.61 4.00	5.62 6.00	5.88 7.00	11.61 13.00	1.60 2.00		64
65 SUMMER - WINTER[15]	AUG DEC	AUG DEC	AUG DEC	AUG DEC	AUG DEC		65
66 PEAK LOAD MONTH : AT DIVERSION, SUMMER - WINTER	64.00 42.00	66.00 46.00	64.00 40.00	66.00 46.00	86.00 47.00		66
67 MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT OUTFALL, SUMMER - WINTER	76.00 52.00	75.00 61.00	71.00 50.00	76.00 65.00	112.00 86.00		67
68					102.00		68
69 AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER - WINTER					82.00		69
70 FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	H	H	H	H	H		70
71 CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	6.72	1.87	3.63	4.58	3.68		71
72 CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	41.50	52.49	58.00	128.51	682.00		72
73 LIME (TONS), COOLING WATER - BOILER MAKEUP							73
74 ALUM (TONS), COOLING WATER - BOILER MAKEUP							74
75 CHLORINE (TONS), COOLING WATER - BOILER MAKEUP[17]	2.28	33.36	1.34	81.66	162.90		75
76 OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES		76
77 SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	PS	OT	RS	OT	PS		77
78 [19] RECEIVING WATER BODY		O TRICKLE FILTER					78
79 POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING			7.50				79
80 SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING			15.00				80
81 VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN							81
82 - ASH SETTLING			127,144.83				82

COOLING FACILITY DATA

83 NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	8 280.00	4 500.00	5 400.00	4 1,170.00	2 272.00		83
84 ONCE THROUGH COOLING (SALINE)							84
85 COOLING PONDS							85
86 COOLING TOWER(S)							86
87 COMBINATIONS[21]							87
88 COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1920 1930	1953 1957	1935 1950	1959 1967	1968 1969		88
89 DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	7.50 10.00	9.00	7.50	11.00 16.00	31.80		89
90 TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,070.00	980.00	1,225.00	1,760.00	250.00		90
91 TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,060.00	980.00	1,225.00	1,760.00	250.00		91

CAPITAL COSTS OF COOLING FACILITIES

92 ONCE THROUGH COOLING SYSTEMS ($1,000)	557.00	1,814.00	697.00	1,640.00	857.00		92
93 COOLING PONDS ($1,000)							93
94 COOLING TOWERS ($1,000)							94

ANNUAL COOLING WATER EXPENSES

95 OPERATION AND MAINTENANCE EXPENSES ($1,000)	47.13	92.48	38.02	232.79	3.12		95
96 COST OF CHEMICAL ADDITIVES ($1,000)	2.59	2.97	1.53	7.26	14.48		96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97 OPERATION AND MAINTENANCE EXPENSES ($1,000)	61.54	37.78	74.92	100.42	132.14		97
98 COST OF CHEMICAL ADDITIVES ($1,000)	15.31	29.47	18.40	72.15	111.80		98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

NAME OF UTILITY	WISCONSIN ELECTRIC POWER CO.	WISCONSIN POWER & LIGHT CO.	WISCONSIN POWER & LIGHT CO.	WISCONSIN POWER & LIGHT CO.	WISCONSIN POWER & LIGHT CO.	
NAME OF PLANT	POINT BEACH	BLACKHAWK	COLUMBIA	EDGEWATER	NELSON DEWEY	
UTILITY-PLANT CODE	553000-0800	554000-0200	554000-0250	554000-0300	554000-0600	
STATE	WISCONSIN	WISCONSIN	WISCONSIN	WISCONSIN	WISCONSIN	
COUNTY	MANITOWOC	ROCK	COLUMBIA	SHEBOYGAN	GRANT	
AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	237 04	073 07	240 07	237 04	068 07	
PLANT CAPACITY (MW)	1,047.60	59.00	512.00	433.00	268.00	
ANNUAL GENERATION (MWH)[3]	6,688,400	104,500	1,365,000	2,045,000	1,119,000	
PLANT HEAT RATE (BTU/KWH)[3]	10,876	12,569	10,044	10,527	10,007	

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

COAL: CONSUMPTION (1,000 TONS)		22.93	510.00	997.69	512.44	
AVERAGE HEAT CONTENT (BTU/LB)		10,686	8,606	10,781	10,926	
AVERAGE SULFUR CONTENT (%)		2.87	.76	2.76	4.90	
AVERAGE ASH CONTENT (%)		11.81	8.01	9.14	11.74	
AVERAGE MOISTURE CONTENT (%)		12.80	24.51	15.93	11.99	
OIL: CONSUMPTION (1,000 BARRELS)		.46	14.80	2.57	.61	
AVERAGE HEAT CONTENT (BTU/GAL)		137,300	148,000	138,310	137,160	
AVERAGE SULFUR CONTENT (%)		.30	.30	.30	.03	
GAS: CONSUMPTION (1,000 MCF)		829.56				
AVERAGE HEAT CONTENT (BTU/CU.FT.)		1,004				

PLANT EQUIPMENT DATA

BOILERS: - TOTAL NO.		2	1	4	2	
- NO. OF WET BOTTOM				4	2	
- NO. WITH FLY ASH REINJECTION						
- NO. WITH MECHANICAL PRECIPITATORS		2				
- NO. WITH ELECTROSTATIC PRECIPITATORS		2	1	4	2	
- NO. WITH COMBINATION PRECIPITATORS[4]						
- NO. WITH DESULFURIZATION SYSTEMS						
- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]						
MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH		10.00	20.00	12.00	15.00	
TESTED, LOW - HIGH		88.00				
ESTIMATED, LOW - HIGH						
ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH		92.00	99.50	90.00	99.50	
TESTED, LOW - HIGH	90.80	98.80		93.50	99.70	
EST., LOW - HIGH	91.00	98.00	99.50	94.00	99.50	85.00
DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH						
TESTED, LOW - HIGH						
ESTIMATED, LOW - HIGH						

PLANT OPERATING DATA AND COST OF EQUIPMENT

EST. TOTAL ANNUAL PLANT EMMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)		.10	.31	.25	.90	
SULFUR DIOXIDE (1,000 TONS)		1.35	13.57	52.83	49.21	
NITROGEN OXIDES (1,000 TONS)		.36	8.22	20.74	14.09	
STACKS: - TOTAL NO.		1	1	3	1	
- HEIGHT (FEET), LOWEST - HIGHEST[8]		226.00	500.00	200.00 360.00	352.00	
COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]						
TOTAL ASH: COLLECTED (1,000 TONS)[10]		2.69	72.40	158.93	80.50	
SOLD (1,000 TONS)[11]			9.00	20.00		
TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)						
EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]						
ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)						
INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)		68.00				
ELECTROSTATIC PRECIPITATORS ($1,000)		1,600.00	9,235.00	3,106.00	4,800.00	
COMBINATION PRECIPITATORS ($1,000)[4]						
DESULFURIZATION SYSTEMS ($1,000)						
STACKS ($1,000)		50.00	1,190.00	474.00	165.00	
ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)		33.20	179.70	316.80	82.01	
REVENUES FROM SALE OF ASH ($1,000)			16.50	6.70		
SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)						
REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)						
TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]		33.20	179.70	316.80	156.37	
TOTAL BYPRODUCT SALES REVENUES ($1,000)			16.50	6.70		

WATER QUALITY CONTROL DATA

COOLING WATER: SOURCE	L MICHIGAN	R ROCK	R WISCONSIN	L MICHIGAN	R MISSISSIPPI	
AVERAGE RATE OF WITHDRAWAL (CFS)	1,356.00	77.80	22.30	294.50	210.00	
AVERAGE RATE OF DISCHARGE (CFS)	1,343.00	77.80		294.50	210.00	
AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	11.66 13.00	.67	22.30	2.53	1.81	
PEAK LOAD MONTH : SUMMER - WINTER[15]	AUG DEC	JUL JAN	JUL JAN	JUL JAN	JUL JAN	
MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	67.00 47.00	95.00 55.00		64.00 41.00	76.00 32.00	
AT OUTFALL, SUMMER - WINTER	84.00 76.00	96.00 74.00		88.00 76.00	101.50 57.00	
AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER		69.16	22.30	253.00	223.00	
- WINTER		61.97	22.30	154.00	160.00	
FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O[16]	C	C	C	C	O	
CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP			1.80	.90	.05	
CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	44.81	6.50		137.07	13.00	
LIME (TONS), COOLING WATER - BOILER MAKEUP	30.00					
ALUM (TONS), COOLING WATER - BOILER MAKEUP	4.50					
CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	.50		15.00	2.40		
OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	YES	YES	YES	YES	YES	
SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	CT	PS	OT	PS	ST	
[19] RECEIVING WATER BODY			C COOLING POND			
POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	8.50		7.50	7.60	8.50 7.60	
SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	1.00		10.00		8.00 2.00	
VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	878.41				75.00	
- ASH SETTLING				200,000.00	60,000.00	

COOLING FACILITY DATA

NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	2 1,047.60	2 57.50		4 465.00	2 227.20	
ONCE THROUGH COOLING (SALINE)						
COOLING PONDS			1 512.00			
COOLING TOWERS						
COMBINATIONS[21]						
COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	1970 1972	1946 1949	1975	1931 1969	1960 1962	
DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	19.30	12.00 112.00	26.00	11.00 15.00	15.00	
TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	1,586.00	152.00	412.20	526.00	223.20	
TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	1,586.00	152.00		955.00	222.80	

CAPITAL COSTS OF COOLING FACILITIES

ONCE THROUGH COOLING SYSTEMS ($1,000)	5,710.00	56.00		500.00	300.00	
COOLING PONDS ($1,000)			5,507.00			
COOLING TOWERS ($1,000)						

ANNUAL COOLING WATER EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	22.14	41.25	27.60	68.20	57.30	
COST OF CHEMICAL ADDITIVES ($1,000)		.77	4.00			

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

OPERATION AND MAINTENANCE EXPENSES ($1,000)	17.39	8.47	21.50	18.20	24.75	
COST OF CHEMICAL ADDITIVES ($1,000)	27.59	14.52	23.90	44.20	643.50	

ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

1	NAME OF UTILITY	1	WISCONSIN POWER & LIGHT CO.	WISCONSIN PUBLIC SERVICE CORP.	WISCONSIN PUBLIC SERVICE CORP.	WISCONSIN PUBLIC SERVICE CORP.	WYANDOTTE, CITY OF	1
2		2						2
3		3						3
4	NAME OF PLANT	4	ROCK RIVER	KEWAUNEE	PULLIAM	WESTON	WYANDOTTE	4
5	UTILITY-PLANT CODE	5	554000-0900	554500-0450	554500-1500	554500-2000	561000-0100	5
6	STATE	6	WISCONSIN	WISCONSIN	WISCONSIN	WISCONSIN	MICHIGAN	6
7	COUNTY	7	ROCK	KEWAUNEE	BROWN	MARATHON	WAYNE	7
8	AIR QUALITY CONTROL REGION NO. 1/ - WATER RESOURCE REGION NO. 2/	8	073 07	237 04	237 04	238 07	123 04	8
9	PLANT CAPACITY (MW)	9	159.00	540.00	392.50	135.00	68.00	9
10	ANNUAL GENERATION (MWH) 3/	10	560,900	3,341,200	1,535,500	646,600	127,000	10
11	PLANT HEAT RATE (BTU/KWH) 3/	11	11,486	11,053	11,301	11,293	11,427	11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	12	293.32		752.70	239.30	7.06	12
13	AVERAGE HEAT CONTENT (BTU/LB)	13	10,847		11,432	10,971	13,000	13
14	AVERAGE SULFUR CONTENT (%)	14	2.58		2.91	3.07	1.34	14
15	AVERAGE ASH CONTENT (%)	15	12.03		11.38	12.07	9.37	15
16	AVERAGE MOISTURE CONTENT (%)	16	12.50		6.56	11.11	4.88	16
17	OIL: CONSUMPTION (1,000 BARRELS)	17	4.28		17.60	4.50		17
18	AVERAGE HEAT CONTENT (BTU/GAL)	18	137,300		138,000	138,000		16
19	AVERAGE SULFUR CONTENT (%)	19	.30		.22	.22		19
20	GAS: CONSUMPTION (1,000 MCF)	20			81.90	2,013.50	21.43	20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	21			1,023	1,022	1,018	21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	22	2		8	2	6	22
23	- NO. OF WET BOTTOM	23	2					23
24	- NO. WITH FLY ASH REINJECTION	24					3	24
25	- NO. WITH MECHANICAL PRECIPITATORS	25					5	25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26	2		6	2		26
27	- NO. WITH COMBINATION PRECIPITATORS 4/	27						27
28	- NO. WITH DESULFURIZATION SYSTEMS	28						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER 5/	29	15.00		18.00 28.00	23.00	35.00 60.00	29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30					50.00 95.00	30
31	TESTED, LOW - HIGH	31						31
32	ESTIMATED, LOW - HIGH	32					80.00 95.00	32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY 6/: DESIGN, LOW - HIGH	33	99.50		90.00 98.00	99.00		33
34	TESTED, LOW - HIGH	34	99.60		97.50 99.30	99.70		34
35	EST., LOW - HIGH	35	99.60		97.00 96.70	99.00		35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36						36
37	TESTED, LOW - HIGH	37						37
38	ESTIMATED, LOW - HIGH	38						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMMISSIONS 7/: PARTICULATE MATTER (1,000 TONS)	39	.01		1.82	.25	.05	39
40	SULFUR DIOXIDE (1,000 TONS)	40	14.84		42.94	14.40	.16	40
41	NITROGEN OXIDES (1,000 TONS)	41	8.08		6.54	2.56	.05	41
42	STACKS: - TOTAL NO.	42	2		7	2	6	42
43	- HEIGHT (FEET), LOWEST - HIGHEST 8/	43	250.00		183.00 237.50	242.50	60.00 120.00	43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS) 9/	44						44
45	TOTAL ASH: COLLECTED (1,000 TONS) 10/	45	35.10		114.10	27.10	.49	45
46	SOLD (1,000 TONS) 11/	46	26.40		3.10	1.60		46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS) 12/	48						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50					60.70	50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51	2,700.00		4,608.20	3,077.00		51
52	COMBINATION PRECIPITATORS ($1,000) 4/	52						52
53	DESULFURIZATION SYSTEMS ($1,000)	53						53
54	STACKS ($1,000)	54	300.00		321.00	56.00	98.00	54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55	56.76		170.08	60.50	1.90	55
56	REVENUES FROM SALE OF ASH ($1,000)	56	9.30		2.40	1.20		56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000) 13/	59	56.76		170.08	60.50	2.71	59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60	9.30		2.40	1.20		60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	61	R ROCK	L MICHIGAN	R FOX	R WISCONSIN	R DETROIT	61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62	154.00	791.00	386.50	95.37	69.00	62
63	AVERAGE RATE OF DISCHARGE (CFS)	63	154.00	791.00	366.50	95.37	69.00	63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED 14/	64	1.32	6.80	3.32	.82 .59		64
65	PEAK LOAD MONTH : SUMMER - WINTER 15/	65	JUL JAN	JUN JAN	JUL JAN		AUG DEC	65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT CIVESPION, SUMMER - WINTER	66	80.00 47.00	54.00 36.30	71.00 32.60	75.00 34.70	75.00 41.00	66
67	AT OUTFALL, SUMMER - WINTER	67	94.00 70.00	67.00 55.60	87.00 52.30	99.00 64.10	81.00 44.00	67
68	AVE. FLOW IN RECEIVING BODY DUPING PEAK MONTH (CFS): SUMMER	68	173.06		3,162.00	2,237.00	190,000.00	68
69	- WINTER	69	95.37		6,664.00	2,323.00	190,000.00	69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, O, O 16/	70	C	H	H	H	C	70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71	.10		1.80	.69	.02	71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72	4.50	226.85	39.00	24.00	.02	72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73		13.23				73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74		7.88				74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75	1.50		138.00	90.00	3.15	75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP 17/	76	YES	YES	YES	YES	YES	76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT 18/	77	ST	OT	PS	ST		77
78	RECEIVING WATER BODY 19/	78		L MICHIGAN				78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	79	10.30 7.60					79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80	3.00 3.00					80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	81	60.00					81
82	- ASH SETTLING	82	65,000.00					82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING 20/: ONCE THROUGH COOLING (FRESH)	83	2 159.20	1 540.00	8 392.50	2 135.00	5 49.50	83
84	ONCE THROUGH COOLING (SALINE)	84						84
85	COOLING POND(S)	85						85
86	COOLING TOWER(S)	86						86
87	COMBINATIONS 21/	87						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88	1954 1955	1974	1926 1964	1954 1960	1933 1970	88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST 22/	89	12.00	20.00	10.00 12.40	17.70 19.70	17.00 17.60	89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90	214.00	918.00	838.00	162.50	533.00	90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91	214.00	918.00	838.00	162.20	133.50	91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92	250.00	6,263.00		623.00		92
93	COOLING PONDS ($1,000)	93						93
94	COOLING TOWERS ($1,000)	94						94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95	58.20	10.90	39.50	10.80	10.00	95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96	15.40		15.60	10.20	1.60	96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97	23.50	26.80	23.90	8.00	10.00	97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98	10.80	62.99	27.30	12.20	16.20	98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

INDIVIDUAL PLANT DATA, 1975

1	NAME OF UTILITY	1	YANKEE ATOMIC ELECTRIC CO.					1
2		2						2
3		3						3
4	NAME OF PLANT	4	ROWE					4
5	UTILITY-PLANT CODE	5	56250-01100					5
6	STATE	6	MASSACHUSETTS					6
7	COUNTY	7	FRANKLIN					7
8	AIR QUALITY CONTROL REGION NO.[1] - WATER RESOURCE REGION NO.[2]	8	042 01					8
9	PLANT CAPACITY (MW)	9						9
10	ANNUAL GENERATION (MWH)[3]	10	1,200,400					10
11	PLANT HEAT RATE (BTU/KWH)[4]	11	11,479					11

AIR QUALITY CONTROL DATA

FUEL CONSUMPTION DATA (ANNUAL)

12	COAL: CONSUMPTION (1,000 TONS)	12						12
13	AVERAGE HEAT CONTENT (BTU/LB)	13						13
14	AVERAGE SULFUR CONTENT (%)	14						14
15	AVERAGE ASH CONTENT (%)	15						15
16	AVERAGE MOISTURE CONTENT (%)	16						16
17	OIL: CONSUMPTION (1,000 BARRELS)	17						17
18	AVERAGE HEAT CONTENT (BTU/GAL)	18						18
19	AVERAGE SULFUR CONTENT (%)	19						19
20	GAS: CONSUMPTION (1,000 MCF)	20						20
21	AVERAGE HEAT CONTENT (BTU/CU.FT.)	21						21

PLANT EQUIPMENT DATA

22	BOILERS: - TOTAL NO.	22						22
23	- NO. OF WET BOTTOM	23						23
24	- NO. WITH FLY ASH REINJECTION	24						24
25	- NO. WITH MECHANICAL PRECIPITATORS	25						25
26	- NO. WITH ELECTROSTATIC PRECIPITATORS	26						26
27	- NO. WITH COMBINATION PRECIPITATORS[4]	27						27
28	- NO. WITH DESULFURIZATION SYSTEMS	28						28
29	- EXCESS AIR USED (%), LOWEST BOILER - HIGHEST BOILER[5]	29						29
30	MECHANICAL PRECIPITATOR EFFICIENCY : DESIGN, LOW - HIGH	30						30
31	TESTED, LOW - HIGH	31						31
32	ESTIMATED, LOW - HIGH	32						32
33	ELECTROSTATIC/COMBINATION PRECIPITATOR EFFICIENCY[6]: DESIGN, LOW - HIGH	33						33
34	TESTED, LOW - HIGH	34						34
35	EST., LOW - HIGH	35						35
36	DESULFURIZATION SYSTEM EFFICIENCY : DESIGN, LOW - HIGH	36						36
37	TESTED, LOW - HIGH	37						37
38	ESTIMATED, LOW - HIGH	38						38

PLANT OPERATING DATA AND COST OF EQUIPMENT

39	EST. TOTAL ANNUAL PLANT EMISSIONS[7]: PARTICULATE MATTER (1,000 TONS)	39						39
40	SULFUR DIOXIDE (1,000 TONS)	40						40
41	NITROGEN OXIDES (1,000 TONS)	41						41
42	STACKS: - TOTAL NO.	42						42
43	- HEIGHT (FEET), LOWEST - HIGHEST[8]	43						43
44	COMBUSTION CYCLE ADDITIVES (1,000 TONS)[9]	44						44
45	TOTAL ASH: COLLECTED (1,000 TONS)[10]	45						45
46	SOLD (1,000 TONS)[11]	46						46
47	TOTAL SULFUR: ELEMENTAL COLLECTED (1,000 TONS)	47						47
48	EQUIVALENT OF ACID COLLECTED (1,000 TONS)[12]	48						48
49	ELEMENTAL AND EQUIVALENT OF ACID SOLD (1,000 TONS)	49						49
50	INSTALLED COSTS: MECHANICAL PRECIPITATORS ($1,000)	50						50
51	ELECTROSTATIC PRECIPITATORS ($1,000)	51						51
52	COMBINATION PRECIPITATORS ($1,000)[4]	52						52
53	DESULFURIZATION SYSTEMS ($1,000)	53						53
54	STACKS ($1,000)	54						54
55	ASH COLLECTION AND DISPOSAL EXPENSES ($1,000)	55						55
56	REVENUES FROM SALE OF ASH ($1,000)	56						56
57	SULFUR PRODUCT COLLECTION AND DISPOSAL EXPENSES ($1,000)	57						57
58	REVENUES FROM SALE OF SULFUR PRODUCTS ($1,000)	58						58
59	TOTAL AIR QUALITY CONTROL EXPENSES ($1,000)[13]	59						59
60	TOTAL BYPRODUCT SALES REVENUES ($1,000)	60						60

WATER QUALITY CONTROL DATA

61	COOLING WATER: SOURCE	61	R DEERFIELD					61
62	AVERAGE RATE OF WITHDRAWAL (CFS)	62						62
63	AVERAGE RATE OF DISCHARGE (CFS)	63						63
64	AVE. RATE OF CONSUMPTION (CFS), CALCULATED - REPORTED[14]	64						64
65	PEAK LOAD MONTH : SUMMER - WINTER[15]	65						65
66	MAX. TEMP. DURING PEAK MONTH (DEG. F.): AT DIVERSION, SUMMER - WINTER	66						66
67	AT OUTFALL, SUMMER - WINTER	67						67
68	AVE. FLOW IN RECEIVING BODY DURING PEAK MONTH (CFS): SUMMER	68						68
69	- WINTER	69						69
70	FREQUENCY OF TEMPERATURE MONITORING: C, H, D, O[16]	70	C					70
71	CHEMICAL ADDITIVES: PHOSPHATE (TONS), COOLING WATER - BOILER MAKEUP	71						71
72	CAUSTIC SODA (TONS), COOLING WATER - BOILER MAKEUP	72						72
73	LIME (TONS), COOLING WATER - BOILER MAKEUP	73						73
74	ALUM (TONS), COOLING WATER - BOILER MAKEUP	74						74
75	CHLORINE (TONS), COOLING WATER - BOILER MAKEUP	75						75
76	OTHER (YES/NO), COOLING WATER - BOILER MAKEUP[17]	76						76
77	SEWAGE DISPOSAL: METHOD PS, ST, SW, OT[18]	77	ST					77
78	RECEIVING WATER BODY[19]	78						78
79	POND DISCHARGE: PH, BOILER BLOWDOWN - ASH SETTLING	79						79
80	SUSPENDED SOLIDS (PPM), BOILER BLOWDOWN - ASH SETTLING	80						80
81	VOLUME (1,000 CUFT/YR), BOILER BLOWDOWN	81						81
82	- ASH SETTLING	82						82

COOLING FACILITY DATA

83	NO. OF UNITS AND CAPACITY (MW) USING[20]: ONCE THROUGH COOLING (FRESH)	83	1 185.00					83
84	ONCE THROUGH COOLING (SALINE)	84						84
85	COOLING POND(S)	85						85
86	COOLING TOWER(S)	86						86
87	COMBINATIONS[21]	87						87
88	COOLING SYSTEM, YEAR OF INSTALLATION: OLDEST SYSTEM - NEWEST SYSTEM	88	1960					88
89	DESIGN: TEMP. RISE ACROSS CONDENSERS (DEG. F), SMALLEST - LARGEST[22]	89	18.00					89
90	TOTAL RATE OF FLOW THROUGH ALL CONDENSERS (CFS)	90	310.00					90
91	TOTAL RATE OF WITHDRAWAL, ONCE THROUGH COOLING SYSTEMS (CFS)	91	310.00					91

CAPITAL COSTS OF COOLING FACILITIES

92	ONCE THROUGH COOLING SYSTEMS ($1,000)	92						92
93	COOLING PONDS ($1,000)	93						93
94	COOLING TOWERS ($1,000)	94						94

ANNUAL COOLING WATER EXPENSES

95	OPERATION AND MAINTENANCE EXPENSES ($1,000)	95						95
96	COST OF CHEMICAL ADDITIVES ($1,000)	96						96

ANNUAL BOILER WATER MAKE-UP AND BLOWDOWN TREATMENT EXPENSES

97	OPERATION AND MAINTENANCE EXPENSES ($1,000)	97						97
98	COST OF CHEMICAL ADDITIVES ($1,000)	98						98

99 ALL FOOTNOTES ARE SHOWN AT THE END OF THIS TABLE

FOOTNOTES TO TABLE 10

1/ Tables 1B, 2B, 4B and 5B display Form 67 data as summarized by AQCR. See Appendix 3 for a map of these regions/numbers.

2/ Tables 6B, 7B, 8B and 9B display Form 67 data as summarized by WRR. See Appendix 4 for a map of these regions/numbers.

3/ Source: FPC Form #1

4/ Precipitator systems which include a mechanical and an electrostatic precipitator in series.

5/ First number is for the boiler with the least excess air; Second number is for the boiler with the highest excess air.

6/ First number is for precipitator with lowest efficiency; Second number is for precipitator with highest efficiency.

7/ Line 39-41 figures computed by FPC. Method of computation described in Section I.

8/ Height of lowest and highest stack in the plant.

9/ May include a variety of fuel oil additives designed to reduce boiler corrosion and to improve combustion.

10/ Tonnage includes bottom ash and flyash as reported in Form 67. The sum of lines 45 and 39 does not necessarily equal the total ash content. (See discussion in Section I above.)

11/ Includes bottom ash and flyash.

12/ Figures computed by FPC. Method of computation described in Section I above.

13/ May include the "incremental cost" of premium (low-sulfur) fuels.

14/ An approximation of assumed average conditions obtained by use of the formula that consumption = (.0086) x (withdrawal), which may be derived as follows:

Average heat rate (1969)	10,447 Btu/kwh
In-plant and stack losses (15%)	1,567 Btu/kwh
Heat equivalent of generation	3,413 Btu/kwh
Heat given up in condenser	5,467 Btu/kwh
Heat dissipated by evaporation (50%)	2,734 Btu/kwh
Heat of evaporation	1,050 Btu/lb

Water evaporated (consumed)	2.6 lb/kwh
Temperature rise across the condenser	18°F.
Flow through condenser (withdrawal)	304 lb/kwh
Ratio of consumption to withdrawal	.0086

15/ System peak power load month.

16/ C - continuously; H - hourly; D - daily; O - other.

17/ Major examples are: H_2SO_4, Na_2SO_3, Na_2SO_4, NaCl, NH_3 and Morpholine.

18/ PS - Public Sewer; ST - Septic tank; SW - surface water body, such as river, lake, ocean; OT - other.

19/ Refers to the discharges from the Boiler Blowdown pond and the Ash Settling pond.

20/ "Unit" refers to a turbine-generator set; capacity refers to maximum nameplate generator rating. There may be a difference in the generating capacity shown on line 9 of Table 10 and the sum of the capacities shown in lines 83 through 87. Minor differences usually resulted when capacities reported in lines 83 through 87 were not the maximum nameplate ratings. Major differences occured at plants with non-condensing units.

21/ Those units with a capability of using more than one cooling system.

22/ First number is for condenser with smallest temperature rise; second number is for condenser with highest temperature rise.

WATER BODY CODES for line No. 61 of the general table containing individual plant data (Table 10):

R-river L-lake B-bay C-creek W-well M-muncipal O-other

ALPHABETICAL INDEX OF PLANTS
UTILITY NAME

PLANT NAME	UTILITY NAME	PAGE
ABBOTT	UNIVERSITY OF ILLINOIS	175
ABILENE	THE KANSAS POWER & LIGHT CO.	170
ACME	THE TOLEDO EDISONCO.	172
ADVANCE	NORTHERN MICHIGANELECTRIC COOP INC.	116
AGUA FRIA #2	SALT R. PROJ. AGR IMPR PWR DIST	145
AGUIRRE	PUERTO RICO WATERRESOURCES AUTH.	143
ALAMITOS	SOUTHERN CALIFORNIA EDISONCO.	150
ALBANY	NIAGARA-MOHAWK POWER CORP.	115
ALBRIGHT	MONONGAHELA (ALLEGHENY) POWERCO.	108
ALGODONES	PLAINS ELECTRIC G&T COOP, INC.	134
ALLEN	DUKE POWER CO.	65
ALLEN	TENNESSEE VALLEY AUTHORITY	159
ALMA	DAIRYLAND POWER COOPERATIVE	62
AMES	AMES, CITY OF	30
AMES/IOWA ST UNIV	IOWA STATE UNIV OF SCIENCE & TECH	90
AMOS	APPALACHIAN POWER CO	31
ANADARKO	WESTERN FARMERS ELECTRIC COOP.	182
ANCLOTE	FLORIDA POWER CORP.	69
ANDRUS	MISSISSIPPI POWER& LIGHT CO.	107
ANIMAS	FARMINGTON ELEC UTILITY SYS	49
APACHE	ARIZONA ELECTRIC POWER COOP	32
ARAPAHOE	PUBLIC SERVICE CO. OF COLORADO	140
ARBUCKLE	OKLAHOMA GAS & ELECTRIC CO.	121
ARKANSAS NUCLEAR	ARKANSAS POWER & LIGHT CO.	35
ARKWRIGHT	GEORGIA POWER CC.	74
ARMSTRONG	WEST PENNSYLVANIAPOWER CO.	180
ARNOLD	IOWA ELECTRIC LIGHT & POWER CO.	87
ARSENAL HILL	SOUTHWESTERN ELECTRIC POWER CO.	155
ARTHUR KILL	CONSOLIDATED EDISON CO. OF NY	58
ASBURY	EMPIRE DIST. ELECTRIC CO.	69
ASHEVILLE	CAROLINA POWER & LIGHT CO.	41
ASHLEY	UNION ELECTRIC CO.	174
ASHTABULA	CLEVELAND ELEC. ILLUM. CO	51
ASTORIA	CONSOLIDATED EDISON CO. OF NY	58
ATKINSON	GEORGIA POWER CO.	74
AURORA	MINNESOTA POWER &LIGHT CO.	105
AUSTIN/DOWNTOWN	AUSTIN UTILITIES	35
AUSTIN/NORTHEAST	AUSTIN UTILITIES	35
AVON	PACIFIC GAS & ELECTRIC CO.	125
AVON LAKE	CLEVELAND ELEC. ILLUM. CO	51
AVON PARK	FLORIDA POWER CORP.	70
BAILEY	ARKANSAS ELECTRIC COOP CORP.	33
BAILLY	NORTHERN INDIANA PUBLIC SERVICE CO.	116
BALDWIN	ILLINOIS POWER CO.	84
BARBADOES	PHILADELPHIA ELECTRIC CO.	132
BARRETT	LONG ISLAND LIGHTING CO.	98

PLANT NAME	UTILITY NAME	PAGE
BARRY	ALABAMA POWER CO.	2
BARTOW	FLORIDA POWER CORP.	7
BATES	CENTRAL P&L CO.	4
BAY FRONT	LAKE SUPERIOR DIST. PWR. CO.	9
BAY SHORE	THE TOLEDO EDISON CO.	17
BAYSIDE	TRAVERSE CITY LIGHT & POWER DEPT.	17
BECKJORD	THE CINCINNATI GAS & ELECTRIC CO.	16
BELEWS CREEK	DUKE POWER CO.	6
BELLE ISLE	OKLAHOMA GAS & ELECTRIC CO.	12
BENNING	POTOMAC ELECTRIC POWER CO.	13
BERGEN	PUBLIC SERVICE ELECTRIC & GAS CO.	13
BERTRON	HOUSTON LIGHTING & POWER CO.	8
BIG BEND	TAMPA ELECTRIC CO.	15
BIG BROWN	TEXAS POWER & LIGHT CO.	16
BIG CAJUN #1	CAJUN ELECTRIC POWER COOP	4
BIG ROCK POINT	CONSUMERS POWER CO.	6
BIG SANDY	KENTUCKY POWER CO.	9
BIG SIOUX	IOWA PUBLIC SERVICE CO.	8
BIG STONE	OTTER TAIL PWR CO	12
BIRD	THE MONTANA POWERCO.	17
BIRDSALL	COLO SPRINGS P&L DEPT.	5
BLACK DOG	NORTHERN STATES POWER CO. (MINN.)	11
BLACKHAWK	WISCONSIN POWER &LIGHT CO.	18
BLOUNT	MADISON GAS & ELECTRIC CO.	10
BLUE VALLEY	INDEPENDENCE PWR & LIGHT DEPT	5
BLUFFS	NEBRASKA PUBLIC POWER SYSTEM	11
BONIN	LAFAYETTE CITY UTIL SYSTEM	4
BOONE	IOWA ELECTRIC LIGHT & POWER CO.	8
BOSWELL	MINNESOTA POWER &LIGHT CO.	10
BOWEN	GEORGIA POWER CO.	7
BOWLINE POINT	ORANGE & ROCKLANDUTIL. INC.	12
BRANTLY	CITY OF DANVILLE WTR, GAS, & ELEC DEPT	6
BRAUNIG	SAN ANTONIO CITY PUBL SERVICE BRD	5
BRAYTON	NEW ENGLAND POWERCO.	11
BREED	INDIANA & MICHIGAN ELECTRICCO.	8
BREMO BLUFF	VIRGINIA ELECTRIC& POWER CO.	17
BRIDGEPORT	IOWA SO. UTIL. CO.	9
BRIDGEPORT HARBOR	THE UNITED ILLUMINATING CO.	17
BRIDGER,JIM	PACIFIC POWER & LIGHT CO.	12
BROADWAY	PASADENA LIGHT & POWER DEPT.	12
BROWN	KENTUCKY UTILITIES CO.	9
BROWN	MISSISSIPPI POWER& LIGHT CO.	10
BROWNS FERRY	TENNESSEE VALLEY AUTHORITY	15
BRUNNER ISLAND	PENNSYLVANIA POWER & LIGHT CO.	13
BRUNSWICK	CAROLINA POWER & LIGHT CO.	4
BRYAN	BRYAN, CITY OF	4
BUCK	DUKE POWER CO.	6
BULL RUN	TENNESSEE VALLEY AUTHORITY	15
BURBANK	BURBANK PUBLIC SERVICE DEPT	4
BURDICK	GRAND ISLAND WTR & LIGHT DEPT	7
BURGER	OHIO EDISON CO.	11
BURLINGTON	IOWA SO. UTIL. CO.	9
BURLINGTON	PUBLIC SERVICE ELECTRIC & GAS CO.	13
BUZZARD POINT	POTOMAC ELECTRIC POWER CO.	13

PLANT NAME	UTILITY NAME	PAGE
CABIN CREEK	APPALACHIAN POWER CO	31
CAHOKIA	UNION ELECTRIC CO.	174
CALUMET	COMMONWEALTH EDISON CO.	54
CALVERT CLIFFS	BALTIMORE GAS & ELECTRIC CO.	36
CAMEO	PUBLIC SERVICE CO. OF COLORADO	140
CAMPBELL	CONSUMERS POWER CO.	60
CANADAY	THE CENTRAL NEBRASKA PUB. PWR& IRRIGAT	165
CANADYS	SOUTH CAROLINA ELECTRIC & GAS CO.	147
CANAL	THE CANAL ELECTRIC CO.	165
CANE RUN	LOUISVILLE GAS & ELECTRIC CO.	100
CANNON	NEW BEDFORD GAS &EDISON LIGHT CO.	110
CAPE CANAVERAL	FLORIDA POWER & LIGHT CO.	71
CAPE FEAR	CAROLINA POWER & LIGHT CO.	41
CARBON	UTAH POWER & LIGHT CO.	176
CARDINAL	CARDINAL OPERATING CO.	41
CARLSBAD	SOUTHWEST PUBLIC SERVICE CO.	153
CAYUGA	PUBLIC SERVICE CO. OF INDIANA INC.	138
CEDAR BAYOU	HOUSTON LIGHTING & POWER CO.	83
CENTRALIA	PACIFIC POWER & LIGHT CO	128
CHALK POINT	POTOMAC ELECTRIC POWER CO.	135
CHAMOIS	CENTRAL ELEC. POWER CORP.	43
CHEROKEE	PUBLIC SERVICE CO. OF COLORADO	140
CHESTER	PHILADELPHIA ELECTRIC CO.	132
CHESTERFIELD	VIRGINIA ELECTRIC& POWER CO.	178
CHESWICK	DUQUESNE LIGHT CO.	67
CHICKASAW	ALABAMA POWER CO.	29
CHOLLA	ARIZONA PUBLIC SERVICE CO	32
CHOUTEAU	GRAND RIVER DAM AUTHORITY	76
CIMARRON RIVER	CENTRAL TELE & UTIL. CORP - W PWR DIV.	47
CLARK	CENTRAL TELE & UTIL. CORP. - SO.COLO. PWR	48
CLARK	NEVADA POWER CO.	112
CLARKE	HOUSTON LIGHTING & POWER CO.	82
CLEARY	TAUNTON MUNICIPALLIGHTING PLT.	158
CLIFFSIDE	DUKE POWER CO.	66
CLIFTY CREEK	INDIANA-KENTUCKY ELECTRIC CORP.	85
CLINCH RIVER	APPALACHIAN POWER CO	31
COBB	CONSUMERS POWER CO.	59
COFFEEN	CENTRAL ILLINOIS P.S. CO.	43
COFFEYVILLE	COFFEYVILLE PWR AND LIGHT	52
COLBERT A	TENNESSEE VALLEY AUTHORITY	159
COLBERT B	TENNESSEE VALLEY AUTHORITY	159
COLEMAN	BIG RIVERS RURAL ELECTRIC COOP	37
COLLIN	TEXAS POWER & LIGHT CO.	163
COLSTRIP	THE MONTANA POWERCO.	170
COLUMBIA	COLUMBIA WTR & LT DEPT	53
COLUMBIA	WISCONSIN POWER &LIGHT CO.	185
COLUMBUS	COLUMBUS, CITY OF	54
COMANCHE	PUBLIC SERVICE CO. OF COLORADO	141
COMANCHE	PUBLIC SERVICE CO. OF OKLAHOMA	141
COMMERCE	WISCONSIN ELECTRIC POWER CO.	183
CONCHO	WEST TEXAS UTILITIES CO.	181
CONEMAUGH	PENNSYLVANIA ELECTRIC CO.	130
CONESVILLE	COLUMBUS & S OHIOELECTRIC CO.	53
CONNERS CREEK	THE DETROIT EDISON CO.	167

PLANT NAME	UTILITY NAME	PAGE
CONTRA COSTA	PACIFIC GAS & ELECTRIC CO.	126
COOK NUCLEAR	INDIANA & MICHIGAN ELECTRICCO.	85
COOL WATER	SOUTHERN CALIFORNIA EDISONCO.	150
COOPER	EAST KENTUCKY RURAL ELECTRIC COOP.	68
COOPER	NEBRASKA PUBLIC POWER SYSTEM	111
CORETTE	THE MONTANA POWERCO.	171
COUCH	ARKANSAS POWER & LIGHT CO.	34
COUGHLIN	CENTRAL LOUISIANA ELECTRIC CO.	45
COUNCIL BLUFFS	IOWA POWER & LIGHT CO.	89
CRANE	BALTIMORE GAS & ELECTRIC CO.	36
CRAWFORD	COMMONWEALTH EDISON CO.	55
CRAWFORD	METRO EDISON CO.	104
CRAWFORDSVILLE	CRAWFORDSVILLE ELEC LT & PWR	61
CRIST	GULF POWER CO.	77
CROMBY	PHILADELPHIA ELECTRIC CO.	132
CRYSTAL RIVER	FLORIDA POWER CORP.	70
CULLEY	SOUTHERN INDIANA G. E. CO.	152
CUMBERLAND	TENNESSEE VALLEY AUTHORITY	161
CUNNINGHAM	SOUTHWEST PUBLIC SERVICE CO.	153
CUTLER	FLORIDA POWER & LIGHT CO.	71
DALE	EAST KENTUCKY RURAL ELECTRIC COOP.	68
DALLAS	DALLAS POWER & LIGHT CO.	62
DALLMAN	SPRINGFIELD WATERLIGHT & POWER DEPT.	156
DAN RIVER	DUKE POWER CO.	66
DANSKAMMER	CENTRAL HUDSON GAS & ELECTRIC CO.	43
DAVIS	CENTRAL P&L CO. LIGHT CO.	46
DECKER CREEK	AUSTIN CITY ELECTRIC DEPT	49
DECORDOVA	TEXAS POWER & LIGHT CO.	163
DEEPWATER	ATLANTIC CITY ELECTRIC CO.	64
DEEPWATER	HOUSTON LIGHTING & POWER CO.	82
DEERHAVEN	GAINESVILLE, CITY OF	73
DELAWARE	PHILADELPHIA ELECTRIC CO.	132
DELAWARE CITY	DELMARVA POWER & LIGHT CO.	64
DELRAY	THE DETROIT EDISON CO.	167
DELTA	MISSISSIPPI POWER& LIGHT CO.	107
DEMOSS PETRIE	THE TUCSON GAS & ELECTRIC CO.	172
DENTON	DENTON, CITY OF	65
DENVER CITY	SOUTHWEST PUBLIC SERVICE CO.	154
DES MOINES #2	IOWA POWER & LIGHT CO.	90
DEVON	THE CONNECTICUT LIGHT & POWER CO.	166
DEYOUNG	HOLLAND BRD OF PUBLIC WORKS	80
DICKERSON	POTOMAC ELECTRIC POWER CO.	135
DIXON	COMMONWEALTH EDISON CO.	55
DOWN	VINELAND, CITY OF	177
DRAKE	COLO SPRINGS P&L DEPT.	52
DRESDEN	COMMONWEALTH EDISON CO.	55
DRESSER	PUBLIC SERVICE CO. OF INDIANA INC.	136
DUBUQUE	INTERSTATE POWER CO.	86
DUNKIRK	NIAGARA-MOHAWK POWER CORP.	115

PLANT NAME	UTILITY NAME	PAGE
EAGLE MOUNTAIN	TEXAS ELECTRIC SERVICE CO.	162
EAST LAKE	CLEVELAND ELEC. ILLUM. CO	52
EAST PLANT	SOUTHWEST PUBLIC SERVICE CO.	154
EAST RIVER	CONSOLIDATED EDISON CO. OF NY	58
EATON	MISSISSIPPI POWERCO.	106
ECKERT	LANSING BOARD OF W.E.L. COMM.	96
EDDYSTONE	PHILADELPHIA ELECTRIC CO.	133
EDGAR	BOSTON EDISON CO.	38
EDGE MOOR	DELMARVA POWER & LIGHT CO.	64
EDGEWATER	OHIO EDISON CO.	118
EDGEWATER	WISCONSIN POWER &LIGHT CO.	185
EDMOND	ST. JOSEPH LIGHT & POWER CO.	156
EDWARDS	CENTRAL ILLINOIS LIGHT CO.	44
EDWARDSPORT	PUBLIC SERVICE CO. OF INDIANA INC.	137
EL CENTRO	IMPERIAL IRRIGATION DIST.	84
EL SEGUNDO	SOUTHERN CALIFORNIA EDISONCO.	150
ELK RIVER	UNITED POWER ASSOC.	175
ELRAMA	DUQUESNE LIGHT CO.	67
ENCINA	SAN DIEGO GAS & ELECTRIC CO.	146
ENGLAND	ATLANTIC CITY ELECTRIC CO.	35
ENGLISH	THE UNITED ILLUMINATING CO.	173
ERICKSON	LANSING BOARD OF W.E.L. COMM.	97
ESSEX	PUBLIC SERVICE ELECTRIC & GAS CO.	139
ETIWANDA	SOUTHERN CALIFORNIA EDISONCO.	150
EVANS	KANSAS GAS & ELECTRIC CO.	93
EYLER	METRO EDISON CO.	104
FAIR	EASTERN IOWA LT & PWR COOP	68
FAR ROCKAWAY	LONG ISLAND LIGHTING CO.	98
FERGUSON	LOWER COLORADO RIVER AUTH.	101
FERMI	THE DETROIT EDISON CO.	167
59TH STREET	CONSOLIDATED EDISON CO. OF NY	58
FISK	COMMONWEALTH EDISON CO.	54
FITCHBURG	FITCHBURG GAS & ELECTRIC CO	69
FITZHUGH	ARKANSAS ELECTRIC COOP CORP.	33
FITZPATRICK NUCL	POWER AUTHORITY OF THE STATE OF NEW YORK	135
FORT CALHOUN	OMAHA PUBLIC POWER DISTRICT	123
FORT CHURCHILL	SIERRA PACIFIC POWER CO.	147
FORT MARTIN	MONONGAHELA (ALLEGHENY) POWERCO.	108
FORT MYERS	FLORIDA POWER & LIGHT CO.	71
FORT PHANTOM	WEST TEXAS UTILITIES CO.	181
FOUR CORNERS	ARIZONA PUBLIC SERVICE CO	32
FOX LAKE	INTERSTATE POWER CO.	87
FRANKFORT	FRANKFORT CITY LT & PWR	73
FRONT STREET	PENNSYLVANIA ELECTRIC CO.	129
GADSBY	UTAH POWER & LIGHT CO.	176
GADSDEN	ALABAMA POWER CO.	30
GALLAGHER	PUBLIC SERVICE CO. OF INDIANA INC.	137
GALLATIN	TENNESSEE VALLEY AUTHORITY	160

PLANT NAME	UTILITY NAME	PAGE
GANNON	TAMPA ELECTRIC CO.	158
GARDEN CITY	SUNFLOWER ELEC COOP	157
GARDNER	NEVADA POWER CO.	112
GASTON	ALABAMA POWER CO.	29
GAVIN	OHIO ELECTRIC CO.	120
GENOA #3	DAIRYLAND POWER COOPERATIVE	62
GENOA (NUCLEAR)	DAIRYLAND POWER COOPERATIVE	62
GEYSERS	PACIFIC GAS & ELECTRIC CO.	127
GHENT A	KENTUCKY UTILITIES CO	95
GIBSON	PUBLIC SERVICE CO. OF INDIANA INC.	137
GIDEON	LOWER COLORADO RIVER AUTH.	101
GILBERT	JERSEY CENTRAL POWER & LIGHT CO.	91
GILL	KANSAS GAS & ELECTRIC CO.	94
GLENARM	PASADENA LIGHT & POWER DEPT.	128
GLEN LYN	APPALACHIAN POWER CO	31
GLENWOOD	LONG ISLAND LIGHTING CO.	98
GORGAS #2 & #3	ALABAMA POWER CO.	30
GORGE STEAM	OHIO EDISON CO.	119
GOUDEY	NEW YORK STATE ELECTRIC & GAS CORP.	114
GOULD STREET	BALTIMORE GAS & ELECTRIC CO.	36
GRAHAM	BANGOR HYDROELECTRIC CO	37
GRAHAM	TEXAS ELECTRIC SERVICE CO.	162
GRAINGER	SOUTH CAROLINA PUBLIC SERVICE AUTH.	149
GRAND AVE	KANSAS CITY POWER& LIGHT CO.	92
GRAND TOWER	CENTRAL ILLINOIS P.S. CO.	43
GRAYSON	GLENDALE PUBLIC SERVICE DEPT.	76
GREEN	MISSOURI PUBLIC SERVICE CO.	108
GREEN BAYOU	HOUSTON LIGHTING & POWER CO.	82
GREEN RIVER	KENTUCKY UTILITIES CO.	95
GREENE	ALABAMA POWER CO.	30
GREENIDGE	NEW YORK STATE ELECTRIC & GAS CORP.	114
GREENVILLE	GREENVILLE, CITY OF ELEC DEPT	77
HADDAM	CONN YANKEE ATOMIC PWR CO.	57
HAGOOD	SOUTH CAROLINA ELECTRIC & GAS CO.	148
HALE	UTAH POWER & LIGHT CO.	176
HAMILTON	HAMILTON MUNC. ELECTRIC PLT.	79
HAMMOND	GEORGIA POWER CO.	74
HANDLEY	TEXAS ELECTRIC SERVICE CO.	162
HANFORD	WASHINGTON P. POWER SUPPLY SYS.	180
HARBOR	LOS ANGELES DEPT.OF WATER & POWER	99
HARBOR BEACH	THE DETROIT EDISON CO.	168
HARLLEE BRANCH	GEORGIA POWER CO.	75
HARRISON	MONONGAHELA (ALLEGHENY) POWERCO.	109
HATFIELD	WEST PENNSYLVANIAPOWER CO.	181
HAVANA	ILLINOIS POWER CO.	83
HAWTHORNE	KANSAS CITY POWER& LIGHT CO.	92
HAYDEN	COLORADO - UTE E ASSN. INC.	53

PLANT NAME	UTILITY NAME	PAGE
HAYNES	LOS ANGELES DEPT.OF WATER & POWER	99
HEALY	GOLDEN VALLEY ELECTRIC ASSN	76
HENDERSON	GREENWOOD UTILS	77
HENDERSON #1	HENDERSON PWR & LT	80
HENDERSON #2	HENDERSON PWR & LT	80
HENNEPIN	ILLINOIS POWER CO.	84
HESKETT	MONTANA-DAKOTA UTIL. CO.	109
HIBBARD	MINNESOTA POWER &LIGHT CO.	106
HICKLING	NEW YORK STATE ELECTRIC & GAS CORP.	114
HIGGINS	FLORIDA POWER CORP.	70
HIGH BRIDGE	NORTHERN STATES POWER CO. (MINN.)	117
HIGHGROVE	SOUTHERN CALIFORNIA EDISONCO.	150
HILL	ARKANSAS-MO PWR CO	34
HILL	CENTRAL P&L CO.	46
HOLLY AVE	LUBBOCK, CITY OF	101
HOLLY STREET	AUSTIN CITY ELECTRIC DEPT	48
HOLTWOOD	PENNSYLVANIA POWER & LIGHT CO.	131
HOLYOKE	HOLYOKE GAS & ELECTRIC DEPT.	81
HOMER CITY	PENNSYLVANIA ELECTRIC CO.	129
HONOLULU	HAWAIIAN ELECTRICCO. INC.	79
HOOKERS POINT	TAMPA ELECTRIC CO.	158
HOOT LAKE	OTTER TAIL PWR CO	125
HORSESHOE LAKE	OKLAHOMA GAS & ELECTRIC CO.	122
HOPKINS	TALLAHASSEE, CITY OF	157
HOUMA	HOUMA, CITY OF	81
HUDSON	PUBLIC SERVICE ELECTRIC & GAS CO.	139
HUDSON AVENUE	CONSOLIDATED EDISON CO. OF NY	59
HUMBOLDT	CORN BELT POWER CO.	61
HUMBOLDT BAY	PACIFIC GAS & ELECTRIC CO.	126
HUNLOCK CREEK	UGI CORP LUZERNE ELEC. DIVISION	172
HUNTER	ALEXANDRIA ELEC. LIGHT & WATER WORKS	30
HUNTERS POINT	PACIFIC GAS & ELECTRIC CO.	126
HUNTINGTON	UTAH POWER & LIGHT CO.	176
HUNTINGTON BEACH	SOUTHERN CALIFORNIA EDISONCO.	151
HUNTLEY	NIAGARA-MOHAWK POWER CORP.	115
HUTCHINGS	THE DAYTON POWER & LIGHT CO.	167
HUTCHINSON	THE KANSAS POWER & LIGHT CO.	170
HUTSONVILLE	CENTRAL ILLINOIS P.S. CO.	44
INDIAN POINT	CONSOLIDATED EDISON CO. OF NY	59
INDIAN RIVER	DELMARVA POWER & LIGHT CO.	64
INDIAN RIVER	ORLANDO UTILITIESCOMM.	124
IRVINGTON	THE TUCSON GAS & ELECTRIC CO.	172
JAMES RIVER	SPRINGFIELD CITY UTILITIES	51
JEFFERIES	SOUTH CAROLINA PUBLIC SERVICE AUTH.	149
JENNISON	NEW YORK STATE ELECTRIC & GAS CORP.	114

PLANT NAME	UTILITY NAME	PAGE
JOHNSONVILLE	TENNESSEE VALLEY AUTHORITY	160
JOHNSTON	PACIFIC POWER & LIGHT CO.	128
JOLIET 5/6	COMMONWEALTH EDISON CO.	55
JOLIET 7/8	COMMONWEALTH EDISON CO.	55
JONES	SOUTHWEST PUBLIC SERVICE CO.	155
JONES STREET	OMAHA PUBLIC POWER DISTRICT	123
JOPPA	ELECTRIC ENERGY INC.	69
JOSLIN	CENTRAL P&L CO.	47
KAHE	HAWAIIAN ELECTRICCO. INC.	80
KAHULUI	MAUI ELECTRIC CC.	103
KAMMER	OHIO POWER CO.	120
KANAWHA RIVER	APPALACHIAN POWER CO	31
KAPP	INTERSTATE POWER CO.	87
KARN	CONSUMERS POWER CO.	60
KAW	KANSAS CITY BOARDOF PUBLIC UTILS.	93
KEARNY B	PUBLIC SERVICE ELECTRIC & GAS CO.	139
KELLY	GAINESVILLE, CITY OF	73
KENDALL SQUARE	CAMBRIDGE ELEC. LIGHT CO.	40
KENNEDY	JACKSONVILLE ELECTRIC LIGHT PLT.	90
KEWAUNEE	WISCONSIN PUBLIC SERVICE CORP.	186
KEY WEST	KEY WEST UTILS BD	177
KEYSTONE	CENTRAL ILLINOIS LIGHT CO.	44
KEYSTONE	PENNSYLVANIA ELECTRIC CO.	129
KINCAID	COMMONWEALTH EDISON CO.	56
KING	CITY OF FORT PIERCE	73
KING	NORTHERN STATES POWER CO. (MINN.)	117
KINGSTON	TENNESSEE VALLEY AUTHORITY	160
KIRK	BLACK HILLS POWER& LIGHT CO.	38
KNOX LEE	SOUTHWESTERN ELECTRIC POWER CO.	155
KRAMER	NEBRASKA PUBLIC POWER SYSTEM	111
KYGER CREEK	OHIO VALLEY ELECTRIC COOP.	121
KYRENE	SALT R. PROJ. AGR IMPR PWR DIST	145
L STREET	BOSTON EDISON CC.	39
LA CYGNE	KANSAS CITY POWER& LIGHT CO.	92
LA PALMA	CENTRAL P&L CO.	47
LABADIE	UNION ELECTRIC CC.	175
LAKE CATHERINE	ARKANSAS POWER & LIGHT CO.	34
LAKE CREEK	TEXAS POWER & LIGHT CO.	163
LAKE HIGHLAND	ORLANDO UTILITIESCOMM.	124
LAKE HUBBARD	DALLAS POWER & LIGHT CO.	63
LAKE PARKER	LAKELAND LIGHT & WATER DEPT.	96
LAKE PAULINE	WEST TEXAS UTILITIES CO.	181
LAKE SHORE	CLEVELAND ELEC. ILLUM. CO	52
LAKE WORTH	LAKE WORTH LIGHT & WATER DEPT.	96

PLANT NAME	UTILITY NAME	PAGE
LAKELAND,PLANT#3	LAKELAND LIGHT & WATER DEPT.	96
LAKERCAC	ST. JOSEPH LIGHT & POWER CO.	157
LAKESIDE	SPRINGFIELD WATERLIGHT & POWER DEPT.	156
LAKESIDE	WISCONSIN ELECTRIC POWER CC.	184
LAMAR	LAMAR LT & PWR DEPT	96
LANSING	INTERSTATE POWER CC.	87
LAREDC	CENTRAL P&L CO.	46
LARGE	CENTRAL TELE & UTIL. CORP - W PWR DIV.	48
LAUDERDALE	FLORIDA POWER & LIGHT CO.	71
LAWRENCE	THE KANSAS POWER & LIGHT CC.	170
LAWRENCE	NORTHERN STATES POWER CC. (MINN.)	117
LEE	CARCLINA POWER & LIGHT CO.	42
LEE	DUKE POWER CC.	66
LELAND CLDS	BASIN ELECTRIC POWER CCOP	37
LECN CREEK	SAN ANTONIC CITY PUBL SERVICE BRD	50
LEWIS CREEK	GULF STATES UTILITIES CO.	79
LEWIS & CLARK	MONTANA-DAKOTA UTIL. CC.	109
LIEBERMAN	SOUTHWESTERN ELECTRIC POWER CO.	155
LINCCLN/ K ST	LINCCLN ELEC SYSTEM	97
LINDEN	PUBLIC SERVICE ELECTRIC & GAS CC.	139
LITTLE GYPSY	LOUISIANA POWER & LIGHT CC.	99
LCGANSPCRT	LCGANSPORT MUN UTILS	97
LONE STAR	SCUTHWESTERN ELECTRIC POWER CC.	156
LONG BEACH	SOUTHERN CALIFCRNIA EDISCNCC.	151
LCRDSBURG	COMMUNITY PUBLIC SERVICE COMPANY	57
LOUISIANA #1	GULF STATES UTILITIES CO.	78
LOUISIANA #2	GULF STATES UTILITIES CC.	78
LOVETT	CRANGE & ROCKLANDUTIL. INC.	124
LOVINGTCN	LEA COUNTY ELEC CCOP	97
LUBBCCK,PLANT#2	LUBBCCK,CITY CF	101
LYNCH	ARKANSAS POWER & LIGHT CO.	34
MAD RIVER	CHIC EDISCN CO.	119
MADDCX	NEW MEXICC ELECTRIC SERVICE CC.	113
MAINE YANKEE	MAINE YANKEE ATCMIC PWR CC	102
MANCHESTER STREET	THE NARRAGANSETT ELECTRIC CO.	171
MANDALAY	SCUTHERN CALIFCRNIA EDISCNCO.	151
MANITCWCC	MANITCWCC PUBLIC UTILS	102
MARICN	SOUTHERN ILLINCISPCWER CORP.	152
MARKET STREET	NEW CRLEANS PUBLIC SERVICE INC.	113
MARSHALL	DUKE POWER CC.	66
MARSHALL	MARSHALL MUN UTILS	102
MARTINEZ	PACIFIC GAS & ELECTRIC CO.	126
MARTINS CREEK	PENNSYLVANIA POWER & LIGHT CC	131
MARYSVILLE	THE DETRCIT EDISCN CO.	168
MASCN	CENTRAL MAINE PWR CO.	45
MAYNARD	ICWA PUBLIC SERVICE CO.	89
MCCLELLAN	ARKANSAS ELECTRIC CCOP CORP.	33
MCDCNALD/RUSTCN	RUSTCN WTR & LT PLANT	144
MCDCNCUGH	GECRGIA POWER CO.	75
MCKEE RUN	DOVER, CITY CF	65
MCMANUS	GECRGIA POWER CO.	75
MCMEEKIN	SCUTH CARCLINA ELECTRIC & GAS CO.	148
MCPHERSCN #2	MCPHERSCN BD CF PUBLIC UTILS	103
MCWILLIAMS	ALABAMA ELECTRIC CCOP.	29

PLANT NAME	UTILITY NAME	PAGE
MENASHA	MENASHA ELECTRIC & WTR UTILS	103
MERAMEC	UNION ELECTRIC CO.	174
MERCER	PUBLIC SERVICE ELECTRIC & GAS CO.	140
MEREDOSIA	CENTRAL ILLINOIS P.S. CO.	44
MERRIMACK	PUBLIC SERVICE COOF NEW HAMPSHIRE	138
MIAMI FORT	THE CINCINNATI GAS & ELECTRIC CO.	165
MICHIGAN CITY	NORTHERN INDIANA PUBLIC SERVICE CO.	116
PLANT #65	MICHIGAN STATE UNIVERSITY	105
MICHOUD	NEW ORLEANS PUBLIC SERVICE INC.	113
MIDDLETOWN	THE HARTFORD ELECTRIC LIGHT CO.	169
MINDEN	MINDEN LT & WTR DEPT	105
MILESBURG	WEST PENNSYLVANIAPOWER CO.	180
MILL CREEK	LOUISVILLE GAS & ELEC CO	101
MILLER	BRAZOS ELECTRIC POWER COOP INC.	40
MILLIKEN	NEW YORK STATE ELECTRIC & GAS CORP.	114
MILLSTONE #1	MILLSTONE POINT COMPANY	105
MINNESOTA VALLEY	NORTHERN STATES POWER CO. (MINN.)	117
MISSION ROAD	SAN ANTONIO CITY PUBL SERVICE BRD	50
MISSOURI CITY	N. W. ELECTRIC POWER COOP. INC.	111
MISTERSKY	DETROIT PUBLIC LIGHTING COMM.	65
MITCHELL	GEORGIA POWER CO.	75
MITCHELL	NORTHERN INDIANA PUBLIC SERVICE CO.	116
MITCHELL	OHIO POWER CO.	121
MITCHELL	WEST PENNSYLVANIAPOWER CO.	180
MOHAVE	SOUTHERN CALIFORNIA EDISONCO.	152
MOLINE	IOWA-ILLINOIS GAS& ELECTRIC CO.	88
MONROE	THE DETROIT EDISON CO.	169
MONROE	MONROE, CITY OF	109
MONTICELLO	NORTHERN STATES POWER CO. (MINN.)	118
MONTICELLO	TEXAS POWER & LIGHT CO.	164
MONTOUR	PENNSYLVANIA POWER & LIGHT CO.	131
MONTVILLE	THE CONNECTICUT LIGHT & POWER CO.	166
MONTROSE	KANSAS CITY POWER& LIGHT CO.	92
MOORHEAD	MOORHEAD PUBLIC SERVICE DEPT	110
MOORE	SOUTHWEST PUBLIC SERVICE CO.	154
MOORELAND	WESTERN FARMERS ELECTRIC COOP.	183
MORGAN CITY	MORGAN CITY, CITY OF	110
MORGAN CREEK	TEXAS ELECTRIC SERVICE CO.	162
MORGANTOWN	POTOMAC ELECTRIC POWER CO.	135
MORRO BAY	PACIFIC GAS & ELECTRIC CO.	126
MORROW	CONSUMERS POWER CO.	60
MOSELLE	SOUTH MISSISSIPPIELEC PWR ASSOC	149
MOSES	ARKANSAS POWER & LIGHT CO.	34
MOSS LANDING	PACIFIC GAS & ELECTRIC CO.	127

PLANT NAME	UTILITY NAME	PAGE
MOUNT STORM	VIRGINIA ELECTRIC& POWER CO.	178
MOUNT TOM	HOLYOKE WATER POWER CO.	81
MOUNTAIN CREEK	DALLAS POWER & LIGHT CO.	63
MULLERGREN	CENTRAL TELE & UTIL. CORP - W PWR DIV.	48
MUSCATINE	MUSCATINE, CITY OF	110
MUSKINGUM	OHIO POWER CO.	120
MUSKOGEE	OKLAHOMA GAS & ELECTRIC CO.	122
MUSTANG	OKLAHOMA GAS & ELECTRIC CO.	122
MYSTIC	BOSTON EDISON CO.	39
NATCHEZ	MISSISSIPPI POWER& LIGHT CO.	107
NATCHITOCHES	NATCHITOCHES, CITY OF	111
NAUGHTON	UTAH POWER & LIGHT CO.	176
NAVAJO	SALT R. PROJ. AGR IMPR PWR DIST	145
NEAL	BASIN ELECTRIC POWER COOP	37
NEAL, GEORGE	IOWA PUBLIC SERVICE CO.	89
NECHES	GULF STATES UTILITIES CO.	78
NELSON	GULF STATES UTILITIES CO.	78
NELSON DEWEY	WISCONSIN POWER &LIGHT CO.	185
NEOSHO	KANSAS GAS & ELECTRIC CO.	94
NEW BOSTON	BOSTON EDISON CO.	39
NEW CASTLE	PENNSYLVANIA POWER CO.	131
NEW HAVEN HARBOR	THE UNITED ILLUMINATING CO.	173
NEW ULM	NEW ULM PUBLIC UTIL COMM	142
NEWINGTON	PUBLIC SERVICE COOF NEW HAMPSHIRE	138
NEWMAN	EL PASO ELECTRIC CO.	68
NEWMAN	GARLAND MUNICIPALUTILITIES	74
NICHOLS	SOUTHWEST PUBLIC SERVICE CO.	154
NILES	OHIO EDISON CO.	119
NINE MILE	LOUISIANA POWER & LIGHT CO.	100
9 MILE POINT NUC	NIAGARA-MOHAWK POWER CORP.	115
NOBLESVILLE	PUBLIC SERVICE CO. OF INDIANA INC.	137
NORTH DENVER	HASTINGS UTILS	79
NORTH LAKE	DALLAS POWER & LIGHT CO.	63
NORTH MAIN	TEXAS ELECTRIC SERVICE CO.	162
NORTH OAK CREEK	WISCONSIN ELECTRIC POWER CO.	184
NORTH OMAHA	OMAHA PUBLIC POWER DISTRICT	123
NORTH TEXAS	BRAZOS ELECTRIC POWER COOP INC.	39
NORTHEAST	KANSAS CITY POWER& LIGHT CO.	93
NORTHEASTERN	PUBLIC SERVICE CO. OF OKLAHOMA	141
NORTHPORT	LONG ISLAND LIGHTING CO.	98
NORTHSIDE	JACKSONVILLE ELECTRIC LIGHT PLT.	91
NORWALK	OHIO EDISON CO	120
NORWALK HARBOR	THE CONNECTICUT LIGHT & POWER CO.	166
NUCLA	COLORADO - UTE E ASSN. INC.	53
NUECES BAY	CENTRAL P&L CO.	47
OAK CREEK	WEST TEXAS UTILITIES CO.	182
OCONEE	DUKE POWER CO.	67
OCOTILLO	ARIZONA PUBLIC SERVICE CO.	32
OHIO RIVER	SOUTHERN INDIANA G. E. CO.	153

PLANT NAME	UTILITY NAME	PAGE
OLEUM	PACIFIC GAS & ELECTRIC CO.	127
OLINGER	GARLAND MUNICIPAL UTILITIES	74
OPELOUSAS #2	OPELOUSAS, CITY OF	123
ORMOND BEACH	SOUTHERN CALIFORNIA EDISON CO.	152
OSAGE	BLACK HILLS POWER & LIGHT CO.	38
OSAGE	OKLAHOMA GAS & ELECTRIC CO.	122
OSWEGO	NIAGARA-MOHAWK POWER CORP.	115
OTTAWA	LANSING BOARD OF W.E.L. COMM.	97
OWATONNA	OWATONNA MUN PUBLIC UTILS	125
OWENSBORO #1	OWENSBORO MUNICIPAL UTIL.	125
OYSTER CREEK NUC	JERSEY CENTRAL POWER & LIGHT CO.	92
PADDYS RUN	LOUISVILLE GAS & ELECTRIC CO.	100
PAINT CREEK	WEST TEXAS UTILITIES CO.	182
PALATKA	FLORIDA POWER & LIGHT CO.	72
PALISADES	CONSUMERS POWER CO.	60
PALO SECO	PUERTO RICO WATER RESOURCES AUTH.	143
PARADISE	TENNESSEE VALLEY AUTHORITY	160
PARISH	HOUSTON LIGHTING & POWER CO.	83
PARKDALE	DALLAS POWER & LIGHT CO.	63
PATERSON	NEW ORLEANS PUBLIC SERVICE INC.	113
PATHFINDER	NORTHERN STATES POWER CO. (MINN.)	118
PEACH BOTTOM	PHILADELPHIA ELECTRIC CO.	133
PEARSALL	MEDINA ELECTRIC COOP. INC.	103
PELLA	PELLA MUN PWR & LT	129
PENNSALT	THE DETROIT EDISON CO.	168
PERMIAN BASIN	TEXAS ELECTRIC SERVICE CO.	163
PERRY	INDIANAPOLIS POWER & LIGHT CO.	86
PERSON	PUBLIC SERVICE CO. OF NEW MEXICO	136
PERU	PERU ELEC & PWR DEPT	132
PETERSBURG	INDIANAPOLIS POWER & LIGHT CO.	86
PHILLIPS	DUQUESNE LIGHT CO.	67
PHILO	OHIO POWER CO.	121
PHOENIX	ARIZONA PUBLIC SERVICE CO	32
PICWAY	COLUMBUS & S OHIO ELECTRIC CO.	53
PILGRIM	BOSTON EDISON CO.	39
PINEVILLE	KENTUCKY UTILITIES CO.	95
PITTSBURG	PACIFIC GAS & ELECTRIC CO.	127
PIQUA	PIQUA MUNICIPAL POWER PLANT	134
POINT BEACH	WISCONSIN ELECTRIC POWER CO.	185
PORT EVERGLADES	FLORIDA POWER & LIGHT CO.	72
PORT JEFFERSON	LONG ISLAND LIGHTING CO.	98
PORT WASHINGTON	WISCONSIN ELECTRIC POWER CO.	184
PORT WENTWORTH	SAVANNAH ELECTRIC & POWER CO.	146

PLANT NAME	UTILITY NAME	PAGE
PORTLAND	METRO EDISON CO.	104
PORTSMOUTH	VIRGINIA ELECTRIC & POWER CO.	178
POSSUM POINT	VIRGINIA ELECTRIC & POWER CO.	179
POSTON	COLUMBUS & S OHIO ELECTRIC CO.	54
POTOMAC RIVER	POTOMAC ELECTRIC POWER CO.	135
POTRERO	PACIFIC GAS & ELECTRIC CO.	127
POWER HOUSE	NEW ORLEANS SEWAGE & WTR BRD	147
POWERTON	COMMONWEALTH EDISON CO.	56
PRAGER	PUBLIC SERVICE CO. OF NEW MEXICO	136
PRAIRE CREEK #1-3	IOWA ELECTRIC LIGHT & POWER CO.	88
PRAIRE CREEK #4	IOWA ELECTRIC LIGHT & POWER CO.	88
PRAIRIE ISLAND	NORTHERN STATES POWER CO. (MINN.)	117
PRESQUE ISLE	UPPER PENINSULA GEN. CO.	175
PRITCHARD	INDIANAPOLIS POWER & LIGHT CO.	86
PUEBLO	CENTRAL TELE & UTIL. CORP. - SO.COLO. PWR	48
PULLIAM	WISCONSIN PUBLIC SERVICE CORP.	186
PURDOM	TALLAHASSEE, CITY OF	157
QUAD CITIES	COMMONWEALTH EDISON CO.	56
QUINDARO #2	KANSAS CITY BOARD OF PUBLIC UTILS.	93
QUINDARO #3	KANSAS CITY BOARD OF PUBLIC UTILS.	93
RANCHO SECO	SACRAMENTO MUNICIPAL UTILITY DISTRICT	145
RATTS	INDIANA STATEWIDE REC-HOOSIER EGY	81
RAVENSWOOD	CONSOLIDATED EDISON CO. OF NY	59
RAYBURN	SOUTH TEXAS ELECTRIC COOP	153
REDONDO	SOUTHERN CALIFORNIA EDISON CO.	151
REEVES	PUBLIC SERVICE CO. OF NEW MEXICO	136
REEVES AVENUE	VIRGINIA ELECTRIC & POWER CO.	179
REID	BIG RIVERS RURAL ELECTRIC COOP	38
RICHMOND	PHILADELPHIA ELECTRIC CO.	133
RIDGELAND	COMMONWEALTH EDISON CO.	56
RIO GRANDE	EL PASO ELECTRIC CO.	68
RIO PECOS	WEST TEXAS UTILITIES CO.	182
RIPLEY	KANSAS GAS & ELECTRIC CO.	94
RIVER CREST	TEXAS POWER & LIGHT CO.	164
RIVER ROUGE	THE DETROIT EDISON CO.	168
RIVERBEND	DUKE POWER CO.	67
RIVERSIDE	BALTIMORE GAS & ELECTRIC CO.	36
RIVERSIDE	HOLYOKE WATER POWER CO.	81
RIVERSIDE	IOWA-ILLINOIS GAS & ELECTRIC CO.	89
RIVERSIDE	NORTHERN STATES POWER CO. (MINN.)	118
RIVERSIDE	PUBLIC SERVICE CO. OF OKLAHOMA	142
RIVERSIDE	SAVANNAH ELECTRIC & POWER CO.	147
RIVERTON	EMPIRE DIST. ELECTRIC CO.	69
RIVERTON	POTOMAC EDISON CO. (VA.)	134
RIVERVIEW	SOUTHWEST PUBLIC SERVICE CO.	155

PLANT NAME	UTILITY NAME	PAGE
RIVESVILLE	MONONGAHELA (ALLEGHENY) POWERCO.	108
RIVIERA	FLORIDA POWER & LIGHT CO.	72
RITCHIE	ARKANSAS POWER & LIGHT CO.	35
ROBINSON	CAROLINA POWER & LIGHT CO.	41
ROBINSON	HOUSTON LIGHTING & POWER CO.	82
ROCHESTER #3	ROCHESTER GAS & ELECTRIC CORP.	144
ROCHESTER #7	ROCHESTER GAS & ELECTRIC CORP.	144
ROCHESTER #13	ROCHESTER GAS & ELECTRIC CORP.	144
ROCK RIVER	WISCONSIN POWER &LIGHT CO.	186
RODEMACHER	CENTRAL LOUISIANAELECTRIC CO.	45
RODEMACHER, C. A.	LAFAYETTE CITY UTIL SYSTEM	50
ROSETON	CENTRAL HUDSON GAS & ELECTRIC CO.	43
ROWE	YANKEE ATOMIC ELECTRIC CO.	187
ROXBORO	CAROLINA POWER & LIGHT CO.	42
SABINE	GULF STATES UTILITIES CO.	78
SABROOKE	COMMONWEALTH EDISON CO.	56
SAGUARO	ARIZONA PUBLIC SERVICE CO.	33
ST. CLAIR	THE DETROIT EDISON CO.	168
SALEM HARBOR	NEW ENGLAND POWER CO.	113
SAMMIS	OHIO EDISON CO.	120
SAM RAYBURN	SOUTH TEXAS ELECTRIC COOP	149
SAN ANGELO	WEST TEXAS UTILITIES CO.	182
SAN BERNARDINO	SOUTHERN CALIFORNIA EDISONCO.	151
SANFORD NEW	FLORIDA POWER & LIGHT CO.	72
SAN JUAN	PUBLIC SERVICE CO. OF NEW MEXICC	136
SAN JUAN	PUERTO RICO WATERRESOURCES AUTH.	143
SAN ONOFRE	SOUTHERN CALIFORNIA EDISONCO.	152
SANTAN	SALT R. PROJ. AGR IMPR PWR DIST	145
SAYREVILLE	JERSEY CENTRAL POWER & LIGHT CO.	91
SCATTERGOOD	LOS ANGELES DEPT.OF WATER & POWER	99
SCHILLER	PUBLIC SERVICE COOF NEW HAMPSHIRE	138
SCHOLTZ	GULF POWER CO.	77
SCHUYLKILL	PHILADELPHIA ELECTRIC CO.	133
SEAHOLM	AUSTIN CITY ELECTRIC DEPT	49
SEMINOLE	OKLAHOMA GAS & ELECTRIC CO.	123
74TH STREET	CONSOLIDATED EDISON CO. OF NY	58
SEVIER	TENNESSEE VALLEY AUTHORITY	160
SEWARD	PENNSYLVANIA ELECTRIC CO.	129
SEWAREN	PUBLIC SERVICE ELECTRIC & GAS CO.	140
SHAWNEE	TENNESSEE VALLEY AUTHORITY	161
SHAWVILLE	PENNSYLVANIA ELECTRIC CO.	130
SHELDON	NEBRASKA PUBLIC POWER SYSTEM	112
SHIRAS	MARQUETTE BRD OF LT & PWR	102
SIBLEY	MISSOURI PUBLIC SERVICE CO.	108
SILVER GATE	SAN DIEGO GAS & ELECTRIC CO.	146
SILVER LAKE	ROCHESTER ELEC DEPT	144

PLANT NAME	UTILITY NAME	PAGE
SIMPSON	BLACK HILLS POWER& LIGHT CO.	38
SIOUX	UNION ELECTRIC CO.	174
SI RAY	BROWNSVILLE, CITY OF	40
SIXTH STREET	IOWA ELECTRIC LIGHT & POWER CO.	88
SMITH	GULF POWER CO.	77
SMITH	OWENSBORO MUNICIPAL UTIL.	125
SMITH	THE POTOMAC EDISON CO.	171
SOMERSET	MONTAUP ELECTRIC CO.	110
SOMMERS	SAN ANTONIO CITY PUBL SERVICE BRD	51
SOUTH BAY	SAN DIEGO GAS & ELECTRIC CO.	146
SOUTH COAST	PUERTO RICO WATERRESOURCES AUTH.	143
SOUTH MEADOW	THE HARTFORD ELECTRIC LIGHT CO.	169
SOUTH OAK CREEK	WISCONSIN ELECTRIC POWER CO.	184
SOUTHSIDE	JACKSONVILLE ELECTRIC LIGHT PLT.	91
SOUTH STREET	THE NARRAGANSETT ELECTRIC CO.	171
SOUTHWARK	PHILADELPHIA ELECTRIC CO.	133
PLANT X	SOUTHWEST PUBLIC SERVICE CO.	154
SOUTHWESTERN	PUBLIC SERVICE CO. OF OKLAHOMA	142
SPORN	CENTRAL OPERATING CO.	46
SPRINGDALE	WEST PENNSYLVANIAPOWER CO.	181
STATE LINE	COMMONWEALTH EDISON CO.	54
STANTON	UNITED POWER ASSOC.	175
STATION B	SAN DIEGO GAS & ELECTRIC CO.	146
STEEL POINT	THE UNITED ILLUMINATING CO.	173
STERLINGTON	LOUISIANA POWER & LIGHT CO.	100
STOCK ISLAND	KEY WEST UTILS BD	177
STONEMAN	DAIRYLAND POWER COOPERATIVE	62
STOUT	INDIANAPOLIS POWER & LIGHT CO.	86
STREETER	CEDAR FALLS UTILS	42
STRYKER	TEXAS POWER & LIGHT CO.	164
STUART	THE DAYTON POWER & LIGHT CO.	167
SUNBURY	PENNSYLVANIA POWER & LIGHT CO.	131
SUNRISE	NEVADA POWER CO.	112
SURRY	VIRGINIA ELECTRIC& POWER CO.	179
SUTHERLAND	IOWA ELECTRIC LIGHT & POWER CO.	88
SUTTON	CAROLINA POWER & LIGHT CO.	42
SUWANNEE	FLORIDA POWER CORP.	71
SWEATT	MISSISSIPPI POWERCO.	106
TAIT	THE DAYTON POWER & LIGHT CO.	166
TANNERS CREEK	INDIANA & MICHIGAN ELECTRI O	85
TAUNTON	TAUNTON MUNICIPALLIGHTING PLT.	158
TECHE	CENTRAL LOUISIANA ELECTRIC CO.	45
TECUMSEH	THE KANSAS POWER & LIGHT CO.	170
THREE MILE ISLAND	METRO EDISON CO. EDISON CO.	104
TIDD	OHIO POWER CO.	121

PLANT NAME	UTILITY NAME	PAGE
TITUS	METRO EDISON CO.	104
TOMBIGBEE	ALABAMA ELECTRIC COOP.	29
TORONTO	OHIO EDISON CO.	119
TRACY	SIERRA PACIFIC POWER CO.	147
TRADINGHOUSE	TEXAS POWER & LIGHT CO.	164
TRENTON CHANNEL	THE DETROIT EDISON CO.	169
TRINIDAD	TEXAS POWER & LIGHT CO.	164
TULSA	PUBLIC SERVICE CO. OF OKLAHOMA	142
TURKEY POINT	FLORIDA POWER & LIGHT CO.	72
TURNER	FLORIDA POWER CORP.	70
TUTTLE	SAN ANTONIO CITY PUBL SERVICE BRD	51
12TH STREET	VIRGINIA ELECTRIC & POWER CO.	179
TWIN BRANCH	INDIANA & MICHIGAN ELECTRIC CO.	85
TYRONE	KENTUCKY UTILITIES CO.	95
URQUHART	SOUTH CAROLINA ELECTRIC & GAS CO.	148
VALLEY	TEXAS POWER & LIGHT CO.	165
VALLEY	WISCONSIN ELECTRIC POWER CO.	184
VALLEY	LOS ANGELES DEPT. OF WATER & POWER	99
VALMONT	PUBLIC SERVICE CO. OF COLORADO	141
VENICE #2	UNION ELECTRIC CC.	174
VERMILION	ILLINOIS POWER CO.	84
VERMONT YANKEE	VERMONT YANKEE NUCLEAR POWER CORP.	177
VERO BEACH	VERO BEACH MUN PWR SYS	177
VICTORIA	CENTRAL P&L CO.	47
VIENNA	DELMARVA POWER & LIGHT CO. OF MD.	64
VIRGINIA	VIRGINIA PUBLIC UTILS COMM	178
WABASH RIVER	PUBLIC SERVICE CO. OF INDIANA INC.	137
WAGNER	BALTIMORE GAS & ELECTRIC CO.	36
WAIAU	HAWAIIAN ELECTRIC CO. INC.	80
WALLACE	CENTRAL ILLINOIS LIGHT CO.	44
WARREN	PENNSYLVANIA ELECTRIC CO.	130
WARRICK	SOUTHERN INDIANA G. E. CO.	153
WATEREE	SOUTH CAROLINA ELECTRIC & GAS CO.	148
WATERFORD	LOUISIANA POWER & LIGHT CO.	100
WATERSIDE	CONSOLIDATED EDISON CO. OF NY	59
WATSON	MISSISSIPPI POWER CO.	106
WATTS BAR	TENNESSEE VALLEY AUTHORITY	161
WAUKEGAN	COMMONWEALTH EDISON CO.	57
WEADOCK	CONSUMERS POWER CO.	61
WEATHERSPOON	CAROLINA POWER & LIGHT CO.	42
WEBSTER	HOUSTON LIGHTING & POWER CO.	83
WELEETKA	PUBLIC SERVICE CO. OF OKLAHOMA	142

WELLINGTON	WELLINGTON,	CITY OF		180
WERNER	JERSEY CENTRAL	POWER & LIGHT CO.		91
WESTPORT	BALTIMORE GAS &	ELECTRIC CO.		37
WEST END	THE CINCINNATI	GAS & ELECTRIC	CO.	166
WESTON	WISCONSIN PUBLIC	SERVICE CORP.		186
WEST SPRINGFIELD	WESTERN	MASSACHUSETTS	ELECTRIC	183
WIDOWS CREEK A	TENNESSEE VALLEY	AUTHORITY		161
WIDOWS CREEK B	TENNESSEE VALLEY	AUTHORITY		161
WILDWOOD	MARSHFIELD ELEC &	WTR		103
WILL COUNTY	COMMONWEALTH	EDISON CO.		57
WILLIAMSBURG	PENNSYLVANIA	ELECTRIC CO.		130
WILLIAMS	SOUTH CAROLINA	ELECTRIC & GAS	CO.	148
WILKES	SOUTHWESTERN	ELECTRIC POWER	CO.	156
WILLMAR	WILLMAR MUN UTIL			183
WILLOW GLEN	GULF STATES	UTILITIES CO.		79
WILLOW ISLAND	MONONGAHELA	(ALLEGHENY) POWER	CO.	109
WILMARTH	NORTHERN STATES	POWER CO. (MINN.)		118
WILSON	MISSISSIPPI POWER	& LIGHT CO.		107
WINNETKA	WINNETKA, VILLAGE	OF		183
WINSLOW	SUPERIOR WATER	LIGHT & POWER CO.		157
WINYAH	SOUTH CAROLINA	PUBLIC SERVICE	AUTH.	149
WISDOM	CORN BELT	POWER CO.		61
WHARTON	HOUSTON LIGHTING	& POWER CO.		83
WHITEWATER	RICHMOND PWR	& LIGHT		143
WHITING	CONSUMERS POWER	CO.		61
WOOD RIVER	ILLINOIS POWER	CO.		84
WRIGHT	FREMONT DEPT	OF UTILS		73
WYANDOTTE	THE DETROIT	EDISON CO.		169
WYANDOTTE	WYANDOTTE, CITY	OF		186
WYMAN	CENTRAL MAINE PWR	CO.		45
YATES	GEORGIA POWER CO.			75
YORKTOWN	VIRGINIA ELECTRIC	& POWER CO.		179
YOUNG	MINNKOTA POWER	COOP.		106
YUCCA	ARIZONA PUBLIC	SERVICE CO.		33
ZION	COMMONWEALTH	EDISON CO.		57
ZUNI	PUBLIC SERVICE	CO. OF COLORADO		141

AIR QUALITY CONTROL REGIONS

APPENDIX 2

WATER RESOURCE REGIONS

APPENDIX 3

Water Resource Regions

The following list gives the numbers and names of the Water Resource Regions as used in the summary tables of this publication. Where the names given on the map differ from those on the summary tables, the map name is given parenthetically:

1. New England
2. Middle Atlantic
3. South Atlantic - Gulf
4. Great Lakes
5. Ohio
6. Tennessee
7. Upper Mississippi
8. Lower Mississippi
9. Souris - Red - Rainy
10. Missouri (Missouri Basin)
11. Arkansas - White - Red
12. Texas - Gulf
13. Rio Grande
14. Upper Colorado
15. Lower Colorado
16. Great Basin
17. Columbia - North Pacific (Pacific Northwest)
18. California - South Pacific (California)

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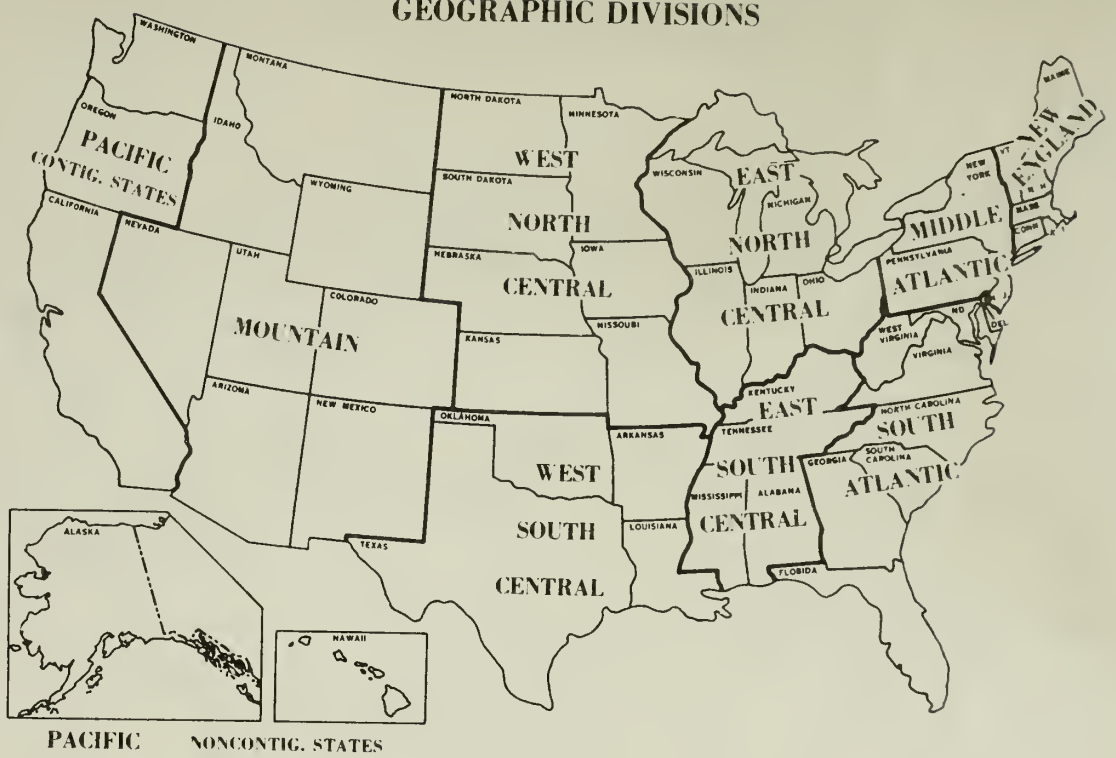
GEOGRAPHIC DIVISIONS



APPENDIX 4

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